INSIZE 2018

MEASURING INSTRUMENTS

EFFECTIVE: JAN. 1, 2018 - DEC. 31, 2018

PRICES EXCLUDING GST

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INSPECTION CERTIFICATE

Manufacturer inspection certificates are supplied, free of charge, for the products marked with "★" in the catalogue.
The inspection certificates are traceable to DKD Germany or NIST USA.
Ask for NABL certificates from our Dealers on chargeable but at economical rates.

FOR CALIPERS

INSIZE Inspection Certificate

Product name	Digital Caliper	Traceable to	USA NIST No.821/279484-10
Code No.	1108-150		Germany DKD No.D-K-15190-01-00
Measuring range	0-150mm / 0-6"	Inspector	
Resolution	0.01mm / 0.0005"	Judgement	Passed
Serial No.	0910120004		
Standard temperature	20°C / 68°F		

Unit: inch

Measuring Length	Permissible Error	Error	
		External	Internal
0.4 DIA	+0.0005 -0.0010	/	0.0005
2	±0.0010	-0.0005	/
4		-0.0005	/
6	±0.0015	-0.0010	/
8		/	/
10		/	/
12		/	/

Unit: mm

Measuring Length	Permissible Error	Error	
		External	Internal
Φ10	+0.01 -0.02	/	0.01
50	±0.02	-0.01	/
100		-0.01	/
150	±0.03	-0.02	/
200		/	/
250		/	/
300		/	/

1108-150

FOR DIAL INDICATORS, DIGITAL INDICATORS AND DIAL TEST INDICATORS

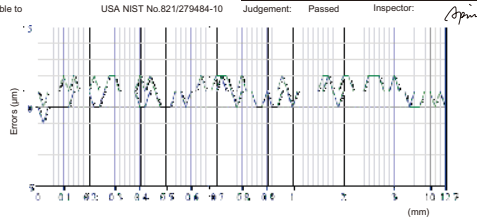
INSIZE Inspection Certificate

Product name	Digital Indicator
Code No.	2112-101
Measuring range	12.7mm / 0.5"
Resolution	0.001mm / 0.00005"
Serial No.	1207131163
Standard temperature	20 °C
Traceable to	USA NIST No.821/279484-10

Unit: μm

Maximum Permissible Error		Error
Any 0.02mm	2	1
Any 0.2mm	3	2
Whole range	5	3
Hysteresis	2	2

Judgement: Passed Inspector:



2112-101

FOR MICROMETERS

INSIZE Inspection Certificate

Product name	Outside Micrometer	Traceable to	Germany DKD No.D-K-15190-01-00
Code No.	3203-25A	Inspector	
Measuring range	0-25mm		
Graduation	0.01mm		
Serial No.	0910120004		
Standard temperature	20 °C		
Based on	DIN 863-1 (1999)		

Unit: μm

Measuring Length(mm)	Permissible Error	Error
0	4	0
7.7		+1
12.9		-1
17.6		0
22.8		+1
25		+1

Judgement: Passed

3203-25A

FOR THREE POINTS INTERNAL MICROMETERS

INSIZE Inspection Certificate

Product name	Three Points Internal Micrometer	Standard temperature	20 ℃
Code No.	3227-30	Traceable to	Germany 10339/D-K-15015-01-02/2012-09
Measuring range	25-30mm		Germany 31-0830/DKD-K-06901/2012-09
Graduation	0.005mm	Judgement	Passed
Serial No.	0910120004	Inspector	

Unit: μm

Actual Ring Size(mm)	Permissible Error	Measured Deviation
25.0007	4	0
25.9994		1
27.9978		-1
29.9992		-1

3227-30

FOR TORQUE WRENCHES

INSIZE **Inspection Certificate**

TORQUE WRENCH CODE: IST-2WM600

Set Point (N.m)	Min(N.m)	Max(N.m)	Readings(N.m)		
120.0	115.2	124.8	120.3	120.2	120.2
360.0	345.6	374.4	359.1	359.0	359.1
600.0	576.0	624.0	601.7	601.5	601.8

Serial No. 1502620372
Calibration temperature: 20 °C Humidity: 60%
Inspector:

IST-2WM600

FOR DIGITAL FORCE GAGES

INSIZE **Inspection Certificate**

DIGITAL FORCE GAGE CODE: ISF-1DF500

Push Force				Pull Force			
Standard Value(N)	Measured Value(N)	Error(N)		Standard Value(N)	Measured Value(N)	Error(N)	
97.9	97.8	-0.1	-0.02%	97.9	98.0	0.1	0.02%
195.8	195.8	0.0	0.00%	195.8	195.8	0.0	0.00%
293.6	293.7	0.1	0.02%	293.6	293.5	-0.1	-0.02%
391.5	391.7	0.2	0.04%	391.5	391.5	0.0	0.00%
489.4	489.6	0.2	0.04%	489.4	489.4	0.0	0.00%

Serial No. 4111606060
Calibration temperature: 20 °C Humidity: 60%
Inspector:

ISF-1DF500

WATERPROOF DIGITAL CALIPERS

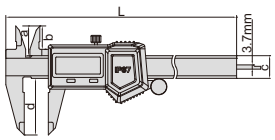
INSPECTION CERTIFICATE TRACEABLE TO DKD

ATTENTION: NO DATA OUTPUT

IP67 WATERPROOF

1118-150B

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Battery CR2032
- Meet DIN862
- Made of stainless steel



(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1118-150B*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	5845
1118-200B*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	8837
1118-300B*	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	12120

*Supplied with manufacturer inspection certificate traceable to DKD Germany

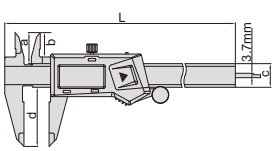
DIGITAL CALIPERS (STANDARD MODEL)

DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO DKD

1108-150

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1108-150*	0-150mm/0-6"	±0.02mm	236	21	16	16	40	2155
1108-200*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	2968
1108-300*	0-300mm/0-12"	±0.03mm	400	25	20.5	16	60	5208

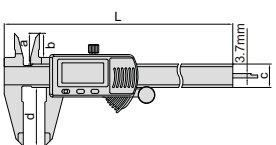
*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPERS (BASIC MODEL)

ATTENTION: NO DATA OUTPUT

1112-150

- Resolution: 0.01mm/0.0005"
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel



(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1112-150	0-150mm/0-6"	±0.03mm	236	21	16	16	40	1914
1112-200	0-200mm/0-8"	±0.03mm	286	24	19	16	50	2679
1112-300	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	4941

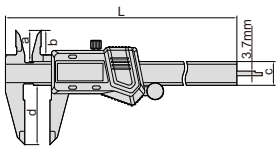
DIGITAL CALIPERS

INSPECTION CERTIFICATE TRACEABLE TO DKD

ATTENTION: NO DATA OUTPUT

1114-150A

- Zinc alloy housing for digital unit
- Resolution: 0.01mm/0.0005"
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, meet DIN862
- Made of stainless steel



(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1114-150A*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	2570
1114-200A*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	3455
1114-300A*	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	5971

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPER WITH ROUND DEPTH BAR

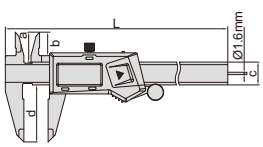
DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO DKD

1119-150

round depth bar Ø1.6mm

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1119-150*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	2501

*Supplied with manufacturer inspection certificate traceable to DKD Germany

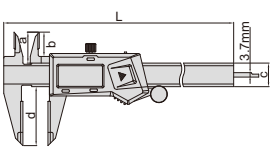
DIGITAL CALIPERS WITH CARBIDE TIPPED JAWS

INSPECTION CERTIFICATE TRACEABLE TO DKD

1110-150A

DATA OUTPUT

- Carbide tipped jaws for inside and outside measurements
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1110-150A*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	7354
1110-200A*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	8797
1110-300A*	0-300mm/0-12"	±0.03mm	400	25	20.5	16	60	12176

*Supplied with manufacturer inspection certificate traceable to DKD Germany

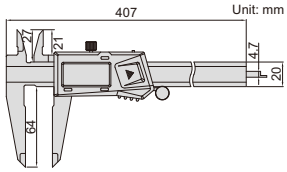
HEAVY DUTY 300mm DIGITAL CALIPER

DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO DKD

1196-300

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



Code	Range	Accuracy	Price(₹)
1196-300*	0-300mm/0-12"	±0.03mm	6411

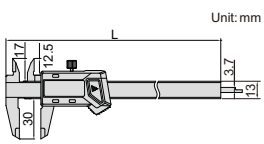
*Supplied with manufacturer inspection certificate traceable to DKD Germany

MINI DIGITAL CALIPERS

ATTENTION: NO DATA OUTPUT

1111-100A

- Resolution: 0.01mm/0.0005"
- Buttons: zero, mm/inch, on/off
- Automatic power off, move the digital unit to turn on power
- Battery LR44
- Meet DIN862
- Made of stainless steel



Code	Range	Accuracy	L	Price(₹)
1111-75A	0-75mm/0-3"	±0.02mm	144mm	2279
1111-100A	0-100mm/0-4"	±0.02mm	170mm	2287

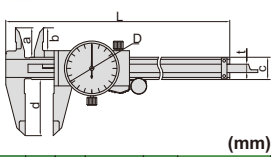
DIAL CALIPERS

INSPECTION CERTIFICATE TRACEABLE TO DKD

SHOCK PROOF

1312-150A

- Shockproof dial indicator
- Made of stainless steel



Dial indicator graduation 0.02mm (mm)

Code	Range	Accuracy	L	a	b	c	d	D	t	Price(₹)
1312-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	Ø39	6.5	2206
1312-200A*	0-200mm	±0.03mm	288	24	19	16	48	Ø39	6.5	2939
1312-300A*	0-300mm	±0.03mm	410	28	22	20	62	Ø44.5	7.5	5008

Dial indicator graduation 0.01mm (mm)

Code	Range	Accuracy	L	a	b	c	d	D	t	Price(₹)
1311-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	Ø39	6.5	2855
1311-200A*	0-200mm	±0.03mm	288	24	19	16	48	Ø39	6.5	3927
1311-300A*	0-300mm	±0.03mm	410	28	22	20	62	Ø44.5	7.5	6139

Dial indicator graduation .001", accuracy ±.0015"

Code	Range	L	a	b	c	d	D	t	Price(₹)
1311-6*	0-6"	9.252"	.827"	.650"	.630"	1.575"	1.535" DIA	.256"	2482

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPERS WITH CERAMIC TIPPED JAWS

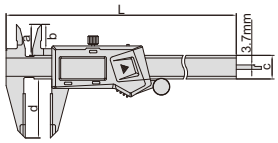
INSPECTION CERTIFICATE TRACEABLE TO DKD

DATA OUTPUT

1193-150

ceramic tipped jaws

- Ceramic tipped jaws for outside measurement, extremely wear-resistant, non-magnetic, non-conductive
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1193-150*	0-150mm/0-6"	±0.03mm	235	21	16.5	16	40	4873
1193-200*	0-200mm/0-8"	±0.03mm	297	24	20	16	50	5954
1193-300*	0-300mm/0-12"	±0.03mm	390	26	21.5	16	60	8229

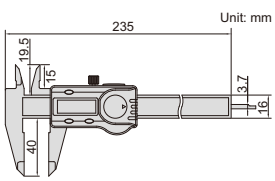
*Supplied with manufacturer inspection certificate traceable to DKD Germany

PLASTIC DIGITAL CALIPER

ATTENTION: NO DATA OUTPUT

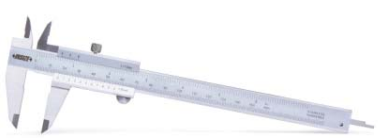
1139-150

- Made of hard plastic, non-magnetic and non-conductive
- Prevent workpieces from scratching by calipers
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off



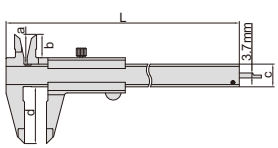
Code	Range	Accuracy	Price(₹)
1139-150	0-150mm/0-6"	±0.1mm	815

VERNIER CALIPERS



1205-1502S

- Graduation: 0.02mm/0.001"
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



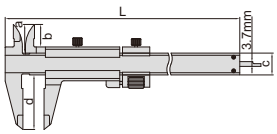
(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1205-1502S	0-150mm/0-6"	±0.03mm	235	20.5	15.5	16	40	1499
1205-2002S	0-200mm/0-8"	±0.03mm	290	23.5	19	17	50	2260
1205-3002S	0-300mm/0-12"	±0.03mm	414	27.5	22	20	64	4189

VERNIER CALIPERS WITH FINE ADJUSTMENT

1233-130

- Graduation: 0.02mm/0.001"
- With fine adjustment
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



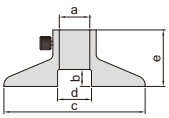
(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1233-130	0-130mm/0-5"	±0.03mm	230	20.5	16.5	16	40	1435
1233-180	0-180mm/0-7"	±0.03mm	295	23.5	19	16	50	2076
1233-280	0-280mm/0-11"	±0.03mm	410	26	20	20	60	3729

DEPTH BASE ATTACHMENTS

VIDEO

6140



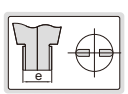
- To increase the stability of depth measurement
- Suitable for digital calipers and dial calipers
- Made of stainless steel

(mm)

Code	a	b	c	d	e	Application	Price(₹)
6140	16.5	9	75	18	30	Suitable for calipers with beam width (w) 16mm	714
6140-300A	20	15	125	22	34	Suitable for calipers with beam width (w) 20mm	2122

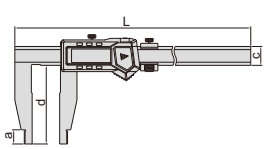
DIGITAL CALIPERS

DATA OUTPUT



1106-501

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



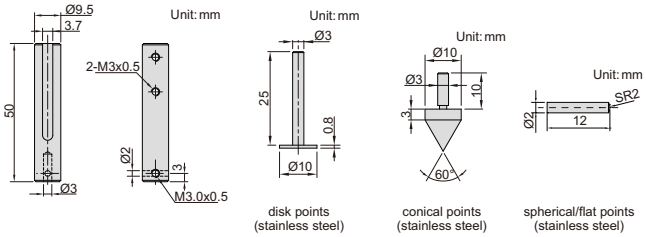
(mm)

Code	Range	Accuracy	a	c	d	e	L	Price(₹)
1106-302	0-300mm/0-12"	±0.05mm	18	24	150	20	420	14687
1106-451	0-450mm/0-18"	±0.05mm	18	24	100	20	625	12258
1106-501	0-500mm/0-20"	±0.05mm	18	24	100	20	675	11945
1106-601	0-600mm/0-24"	±0.05mm	18	24	100	20	770	15612
1106-1002	0-1000mm/0-40"	±0.08mm	24	31	150	20	1220	34177
1106-1502	0-1500mm/0-60"	±0.11mm	24	42	150	20	1780	79086
1106-2002	0-2000mm/0-80"	±0.14mm	24	42	150	20	2290	116843

Sizes available up to 3000mm

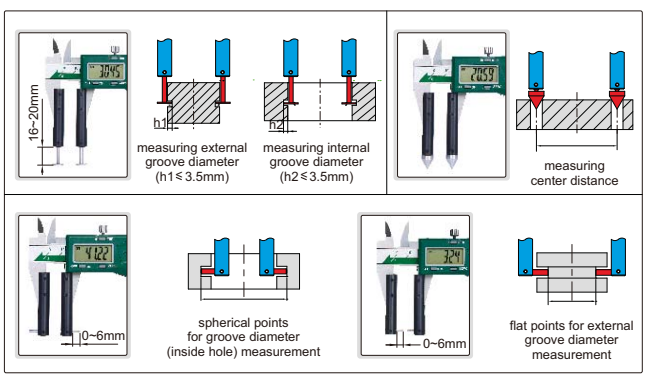
ACCESSORY SET FOR DIGITAL CALIPERS CODE 6144

6144



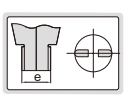
Code	Price(₹)
6144	2778

- Suitable for 0-150mm/0-6" and 0-200mm/0-8" digital calipers (thickness of lower jaws ⩽3.7mm)



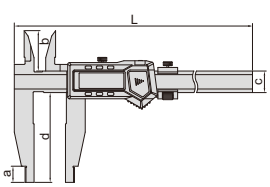
DIGITAL CALIPERS

DATA OUTPUT



1136-501

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



(mm)

Code	Range	Accuracy	a	b	c	d	e	L	Price(₹)
1136-501	0-500mm/0-20"	±0.05mm	18	45	24	100	20	675	14051
1136-601	0-600mm/0-24"	±0.05mm	18	45	24	100	20	770	18347
1136-1002	0-1000mm/0-40"	±0.08mm	24	60	31	150	20	1220	42305

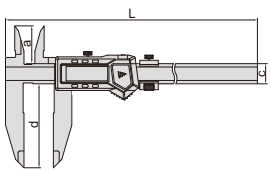
Sizes available up to 2000mm

DIGITAL CALIPERS

DATA OUTPUT

1135-601

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



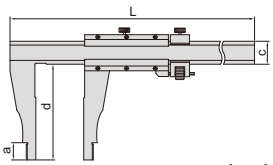
(mm)

Code	Range	Accuracy	a	c	d	L	Price(₹)
1135-601	0-600mm/0-24"	±0.05mm	45	24	100	770	18859
1135-1002	0-1000mm/0-40"	±0.08mm	60	31	150	1220	49379

VERNIER CALIPERS

1214-600

- Graduation: 0.02mm/0.001"
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



(mm)

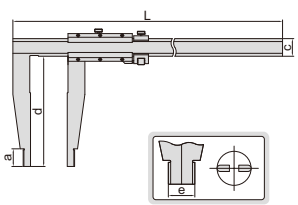
Code	Range	Accuracy	a	c	d	e	L	Price(₹)
1214-450	0-450mm/0-18"	±0.05mm	18	24	100	20	620	8183
1214-500	0-500mm/0-20"	±0.05mm	18	24	100	20	670	7465
1214-600	0-600mm/0-24"	±0.05mm	18	24	100	20	770	8426
1214-1000	0-1000mm/0-40"	±0.08mm	24	32	140	20	1216	24204
1214-1500	0-1500mm/0-60"	±0.12mm	24	42	200	20	1830	68383

Sizes available up to 2000mm

LONG JAW VERNIER CALIPERS

1215-1032

- Graduation: 0.02mm/0.001"
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



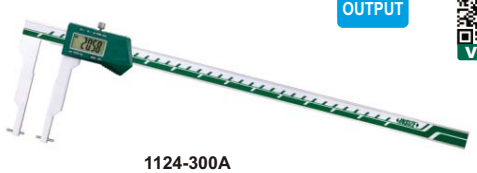
(mm)

Code	Range	Accuracy	a	c	d	e	L	Price(₹)
1215-392	0-300mm/0-12"	±0.05mm	10	17	90	10	410	5911
1215-322	0-300mm/0-12"	±0.05mm	18	24	150	20	470	8907
1215-522	0-500mm/0-20"	±0.06mm	18	24	150	20	670	11456
1215-532	0-500mm/0-20"	±0.06mm	18	24	200	20	670	14080
1215-622	0-600mm/0-24"	±0.06mm	18	24	150	20	770	12136
1215-642	0-600mm/0-24"	±0.08mm	24	32	250	20	870	30730
1215-822	0-800mm/0-32"	±0.07mm	24	32	150	20	1020	25329
1215-832	0-800mm/0-32"	±0.07mm	24	32	200	20	1020	34331
1215-1032	0-1000mm/0-40"	±0.08mm	24	32	200	20	1220	34180
1215-1052	0-1000mm/0-40"	±0.11mm	24	42	300	20	1330	55655
1215-3052	0-3000mm/0-120"	±0.26mm	24	50	300	20	3360	256598

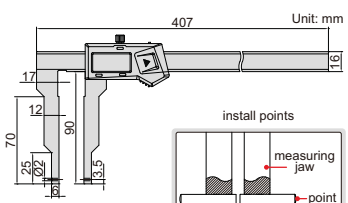
DIGITAL CALIPER WITH INTERCHANGEABLE POINTS CODE 1124-300A

DATA OUTPUT

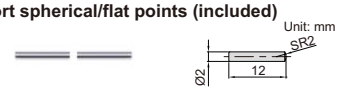
VIDEO



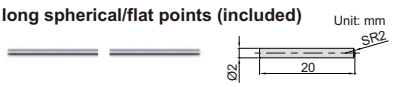
1124-300A



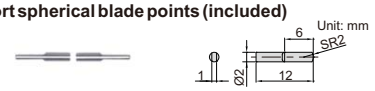
short spherical/flat points (included)



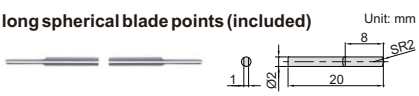
long spherical/flat points (included)



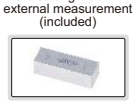
short spherical blade points (included)



long spherical blade points (included)



zero setting block for external measurement (included)



preset buttons

depth stop **6143** (**optional**)

- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (code **1526-T101**, **7392**, **7391**, **7381**, **7321**), depth stop (code **6143**), data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

Code	Price(₹)
1124-300A	19263

Point	Range	Accuracy	Application
short spherical/ flat points	24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external)	±0.04mm	spherical points for grooves inside hole (small hole) flat points for external grooves
long spherical/ flat points	40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external)	±0.04mm	spherical points for grooves inside hole (large hole) flat points for external grooves
short spherical blade points	24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external)	±0.04mm	for narrow grooves inside hole (small hole)
long spherical blade points	40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external)	±0.04mm	for narrow grooves inside hole (large hole)

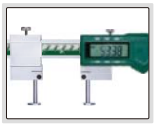
UNIVERSAL CALIPER
CODE 1125-600

DATA OUTPUT

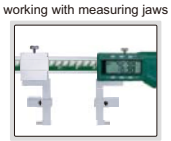
VIDEO

- Buttons: on/off, set, mm/inch, ABS, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

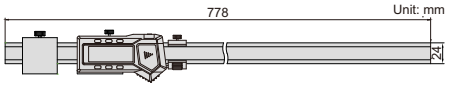
working with stands



working with measuring jaws



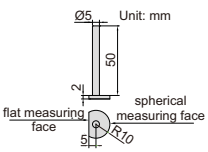
1125-600

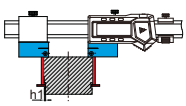


Code	Range*	Resolution	Accuracy	Price(₹)
1125-600	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm	40039

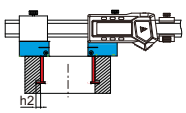
*The range changes according to different points

Half disk points (included)



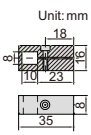


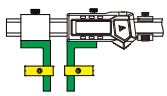
Measuring external groove diameter with flat measuring face(depth h1≤2.5mm)



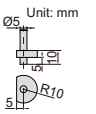
Measuring internal groove diameter with spherical measuring face(depth h2≤7.5mm)

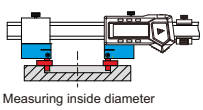
Depth stop (included)





Round shoulder points (optional)

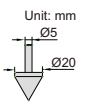


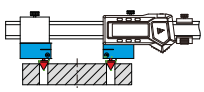


Measuring inside diameter

Code	Price(₹)
1125-T102	2176

Conical points (optional)

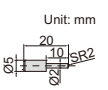


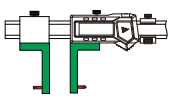


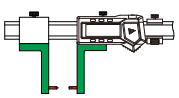
Measuring center distance

Code	Price(₹)
1125-T101	2447

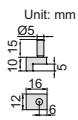
Spherical points (included)

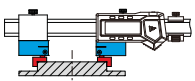






Flat shoulder points (optional)

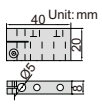


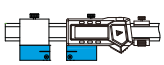


Measuring outside diameter

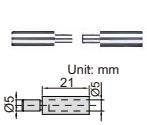
Code	Price(₹)
1125-T103	3120

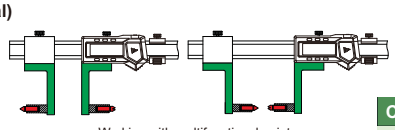
Stands (included)





Point sleeve (optional)

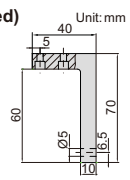


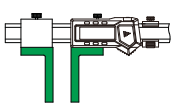


Working with multifunctional points, ball points and screw thread points

Code	Price(₹)
1125-T104	1450

Measuring jaws (included)





Multifunctional points 7392 (optional)

Ball points 7391 (optional)

Screw thread points 7381, 7321 (optional)

DIGITAL CALIPER WITH INTERCHANGEABLE POINTS
CODE 1526-200

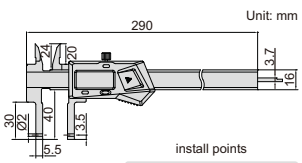
DATA OUTPUT

VIDEO

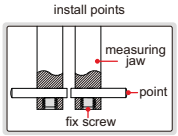
depth stop **6143** (**optional**)

preset buttons

1526-200

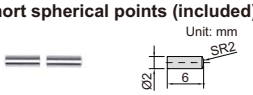


install points

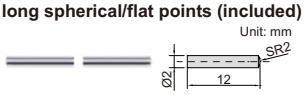


zero setting block for external measurement (included)

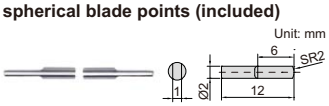
short spherical points (included)



long spherical/flat points (included)



spherical blade points (included)



- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (code **1526-T101**, **7392**, **7391**, **7381**, **7321**), depth stop (code **6143**), data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

Code	Price(₹)
1526-200	13726

Point	Range	Accuracy	Application
short spherical points	12-212mm/0.5-8.5"(internal)	±0.03mm	for grooves inside small hole
long spherical/flat points	24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external)	±0.03mm	spherical points for grooves inside hole flat points for external grooves
spherical blade points	24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external)	±0.03mm	for narrow grooves inside hole

DIGITAL INSIDE GROOVE CALIPER

DATA OUTPUT

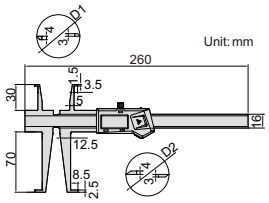
VIDEO

preset buttons

depth stop **6143** (**optional**)

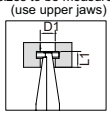
1176-150

- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+,-)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code **6143**), data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

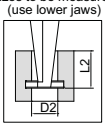


(mm)

sizes to be measured (use upper jaws)



sizes to be measured (use lower jaws)



D1	L1
Ø9	<8
Ø10	<15
Ø11~150	<30

D2	L2	D2	L2
Ø15	<10	Ø19	<42
Ø16	<18	Ø20	<50
Ø17	<26	Ø21	<58
Ø18	<34	Ø22~150	<70

Code	Range of upper jaw	Range of lower jaw	Accuracy	Price(₹)
1176-150	9-150mm/0.35-6"	15-150mm/0.59-6"	±0.04mm	**10353**

DIGITAL INSIDE GROOVE CALIPER

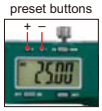
DATA OUTPUT

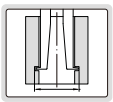
VIDEO

1178-300

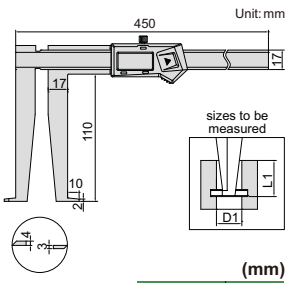
depth stop **6143** (**optional**)

preset buttons





- Measure diameter of grooves inside bores
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code **6143**), data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



(mm)

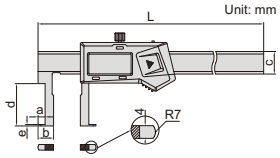
D1	L1
Ø25	<50
Ø26	<60
Ø27~300	<110

Code	Range	Accuracy	Price(₹)
1178-300	25-300mm/1.18-12"	±0.05mm	**15842**

DIGITAL INSIDE GROOVE CALIPERS

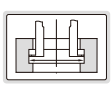
- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+,-)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code **6143**), data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

1120-150A



DATA OUTPUT

VIDEO



preset buttons

depth stop **6143** (**optional**)

(mm)

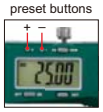
Code	Range	Accuracy	L	a	b	c	d	e	Price(₹)
1120-150A	22-150mm	±0.04mm	250	5	11	16	30	1	**7228**
1120-200A	25-200mm	±0.04mm	310	5	12.5	16	40	1	**8668**
1120-300A	30-300mm	±0.05mm	410	5	15	17	50	1.5	**11433**

DIGITAL INSIDE POINT CALIPERS

DATA OUTPUT

VIDEO

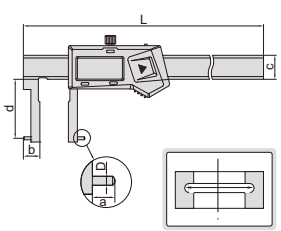
preset buttons



1121-150A

depth stop **6143** (**optional**)

- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+,-)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code **6143**), data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



(mm)

Code	Range	Accuracy	L	a	b	c	d	D	Price(₹)
1121-150A	24-150mm	±0.04mm	250	5	12	16	30	Ø2	**8827**
1121-200A	25-200mm	±0.04mm	310	5	12.5	16	40	Ø2	**9353**
1121-3001A	50-300mm	±0.06mm	410	8	25	17	80	Ø3	**16947**

DIGITAL INSIDE GROOVE CALIPER

DATA OUTPUT

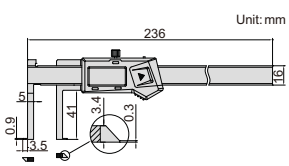
VIDEO

preset buttons

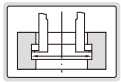
1520-150

depth stop **6143** (**optional**)

- Measure diameter of grooves inside small bores
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code **6143**), data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



Code	Range	Accuracy	Price(₹)
1520-150	11-150mm/0.43-6"	±0.04mm	**7154**



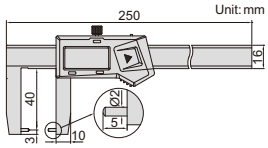
DIGITAL OUTSIDE POINT CALIPER

DATA OUTPUT

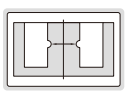
1185-150A

depth stop **6143** (**optional**)

- Measure wall thickness inside bores and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code **6143**), data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



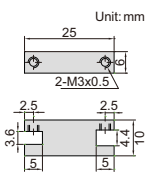
Code	Range	Accuracy	Price(₹)
1185-150A	0-150mm/0-6"	±0.04mm	6280



DEPTH STOP FOR CALIPERS

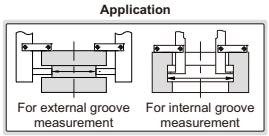
VIDEO

6143



- Supplied in pairs
- Made of stainless steel
- Suitable for caliper series **1124**, **1526**, **1520**, **1176**, **1178**, **1120**, **1121**, **1187** and **1185**

Application



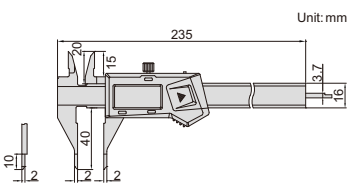
Code	Price(₹)
6143	616

DIGITAL SMALL POINT CALIPER

DATA OUTPUT

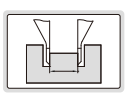
1169-150

Unit: mm



- Small pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

Code	Range	Accuracy	Price(₹)
1169-150	0-150mm/0-6"	±0.03mm	4671



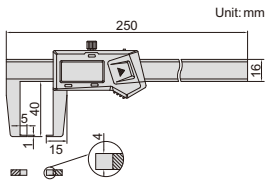
DIGITAL OUTSIDE NECK CALIPER

DATA OUTPUT

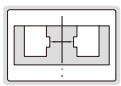
1187-150A

depth stop **6143** (**optional**)

- Measure grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code **6143**), data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



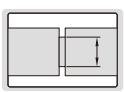
Code	Range	Accuracy	Price(₹)
1187-150A	0-150mm/0-6"	±0.04mm	5694



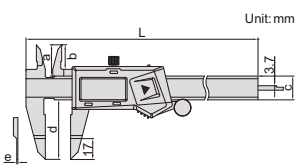
DIGITAL BLADE CALIPER

DATA OUTPUT

1188-150A



- The blade jaws fit into small grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



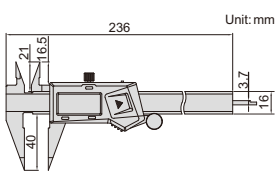
Code	Range	Accuracy	L	a	b	c	d	e	Price(₹)
1188-150A	0-150mm/0-6"	±0.03mm	235	21	16.5	16	40	0.75	4911

Sizes available up to 300mm

DIGITAL POINT CALIPER

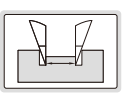
DATA OUTPUT

1183-150A



- Pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

Code	Range	Accuracy	Price(₹)
1183-150A	0-150mm/0-6"	±0.03mm	4731



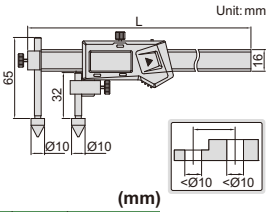
DIGITAL OFFSET CENTERLINE CALIPERS

DATA OUTPUT

1192-150A

VIDEO

- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



(mm)

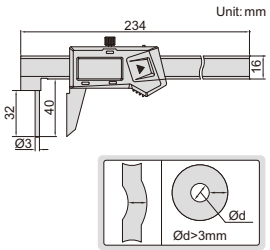
Code	Range	Accuracy	L	Price(₹)
1192-150A	10-150mm/0.4-6"	±0.05mm	236	11909
1192-200A	10-200mm/0.4-8"	±0.07mm	286	14572
1192-300A	10-300mm/0.4-12"	±0.09mm	396	16997

Sizes available up to 1500mm

DIGITAL TUBE THICKNESS CALIPER

DATA OUTPUT

1161-150A



- Measure wall thickness of tubes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

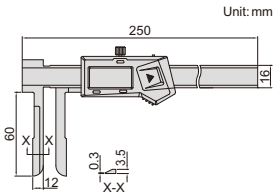
Code	Range	Accuracy	Price(₹)
1161-150A	0-150mm/0-6"	±0.05mm	7851

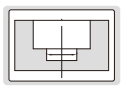
DIGITAL INSIDE KNIFE-EDGE CALIPER

DATA OUTPUT

1123-150A

- Measure diameter of deep step holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)





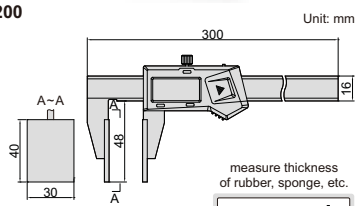
Code	Range	Accuracy	Price(₹)
1123-150A	15-150mm/0.6-6"	±0.05mm	8076

DIGITAL CALIPER WITH LARGE MEASURING FACES

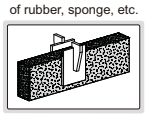
DATA OUTPUT

1172-200

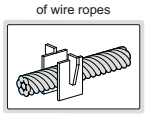
- Measure diameter of wire ropes, and thickness of soft materials like rubber, sponge, etc.
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



measure thickness of rubber, sponge, etc.



measure diameter of wire ropes



Code	Range	Accuracy	Price(₹)
1172-200	0-200mm/0-8"	±0.07mm	15201

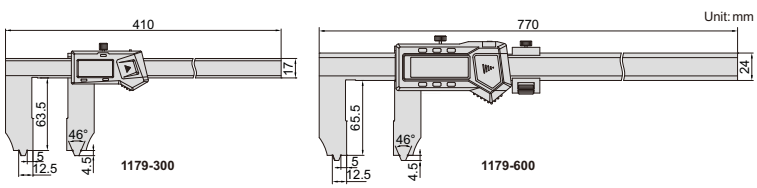
DIGITAL RTJ RING GROOVE CALIPERS

DATA OUTPUT

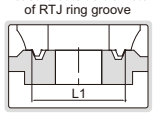
1179-300

1179-600

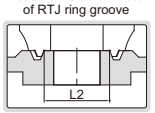
1179-300
preset buttons



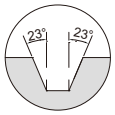
measure outside diameter of RTJ ring groove



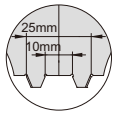
measure inside diameter of RTJ ring groove



applicable for RTJ ring grooves with angle 23°



10mm and 25mm need to be added on the reading

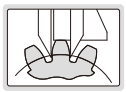


- Measure ring grooves of flange
- Resolution: 0.01mm/0.0005"
- Button function: on/off, set, zero, mm/inch, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

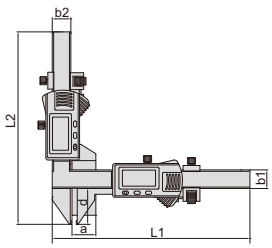
Code	Range (inside diameter of RTJ ring groove)	Range (outside diameter of RTJ ring groove)	Angle of RTJ ring groove	Accuracy	Price(₹)
1179-300	10-300mm/0.4-12	25-300mm/1-12"	23°	±0.06mm	17988
1179-600	10-600mm/0.4-24"	25-600mm/1-24"	23°	±0.07mm	28530

DIGITAL GEAR TOOTH CALIPERS

- Resolution: 0.01mm/0.0005"
- Carbide tips
- Buttons: zero, on/off, mm/inch
- Battery LR44
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC1A/SPC1B, 7305-SPC2**)



DATA OUTPUT



1181-M25A

(mm)

Code	Range	Accuracy	L1	L2	a	b1	b2	d	Price(₹)
1181-M25A	M1-25mm	±0.04mm	170	165.5	21	16	16	30.5	**17205**
1181-M50A	M5-50mm	±0.04mm	220	190	50.5	16	16	55	**19843**

DIGITAL HEIGHT GAGES (ECONOMIC MODEL)

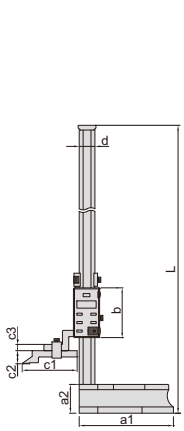
ATTENTION: CAN NOT USE CLAMP FOR PROTRACTORS (CODE 2372-CLAMP)

ATTENTION: LOW ACCURACY

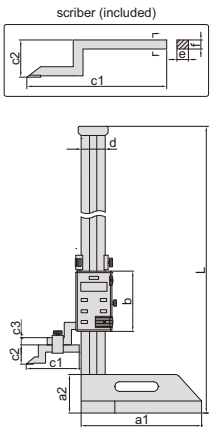
DATA OUTPUT

1150-500

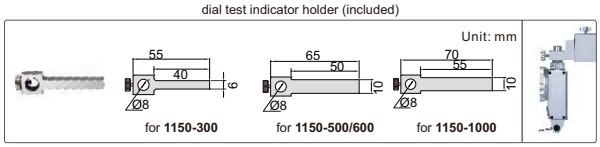
1150-1000



type A



type B



- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ABS/INC is for absolute and incremental measurement
- TOL is for tolerance measurement
- Carbide tipped scriber
- Made of stainless steel (except the base)
- LR44 battery
- Data output
- Supplied with dial test indicator holder
- Supplied with dust cover
- Optional accessory: data output cable (code **7301-SPC5**)

data output cable (**optional**)

7301-SPC5

dust cover (included)

(mm)

Code	Range	Type	Accuracy	L	a1	a2	b	c1	c2	c3	d	e	f	Price(₹)
1150-300	0-300mm/0-12"	A	±0.05mm	470	135	45	80	76	25	10	23	6	8	**16570**
1150-500	0-500mm/0-20"	A	±0.06mm	720	180	55	95	103	25	12	30	10	12	**22384**
1150-600	0-600mm/0-24"	A	±0.06mm	820	180	55	95	103	25	12	30	10	12	**29469**
1150-1000	0-1000mm/0-40"	B	±0.08mm	1275	250	80	125	110	39	15	50	10	15	**60777**

Sizes available up to 2000mm

DIGITAL HEIGHT GAGES WITH DRIVING WHEEL

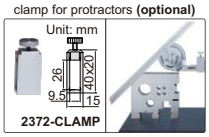
METAL RACK

DATA OUTPUT

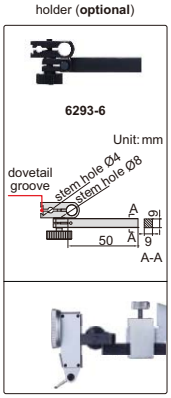
VIDEO

dust cover (included)

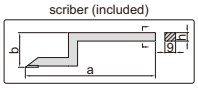
clamp for protractors (**optional**)

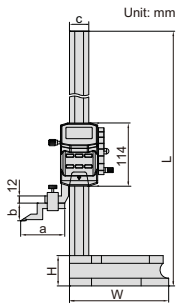


dial test indicator holder (**optional**)



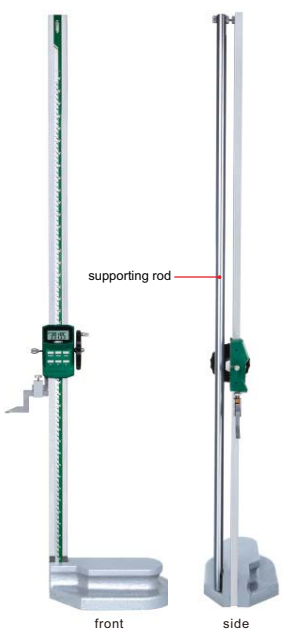
scriber (included)





- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, preset +, preset -, hold
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032
- Data output
- Supplied with dust cover
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**), dial test indicator holder (code **6293-6**), clamp for protractors (code **2372-CLAMP**)

1156-300



1156-1000

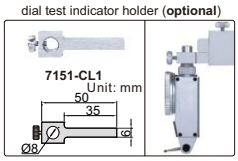
(mm)

Code	Range	Accuracy	L	W	H	a	b	c	h	Price(₹)
1156-300	0-300mm/0-12"	±0.03mm	515	180	55	80	30	35	9	**19180**
1156-600	0-600mm/0-24"	±0.05mm	815	180	55	80	30	35	9	**28820**
1156-1000	0-1000mm/0-40"	±0.07mm	1220	265	70	92	48	40	12	**111249**

DIGITAL HEIGHT GAGE (LIGHT DUTY)

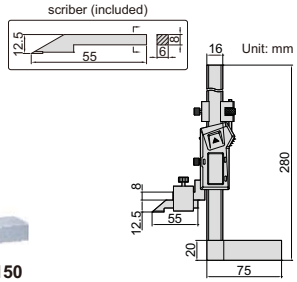
DATA OUTPUT

ATTENTION: CAN NOT USE CLAMP FOR PROTRACTORS (CODE 2372-CLAMP)



Code	Range	Resolution	Accuracy	Price(₹)
1154-150	0-150mm/0-6"	0.01mm/0.0005"	±0.03mm	7184

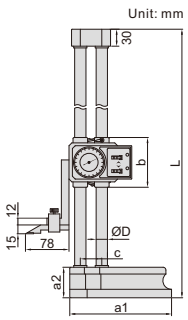
1154-150

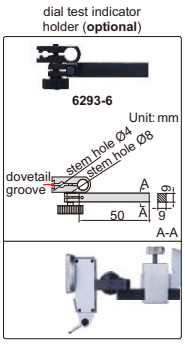


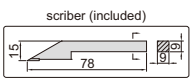
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- With fine adjustment
- Made of stainless steel
- Battery CR2032
- Data output
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**), dial test indicator holder (code **7151-CL1**)

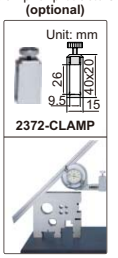
DIAL HEIGHT GAGES

1351-300









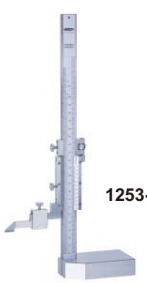
- Dial indicator graduation: 0.01mm
- One counter reads in the plus direction and another in the minus direction, so incremental measurement can be made in either direction
- Carbide tipped scriber
- Made of stainless steel (except the base)
- With driving wheel
- Supplied with dust cover
- Optional accessory: dial test indicator holder (code **6293-6**), clamp for protractors (code **2372-CLAMP**)

(mm)

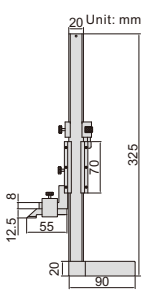
Code	Range	Accuracy	L	a1	a2	b	c	ØD	Price(₹)
1351-300	0-300mm	±0.04mm	475	135	43	84	33	15	14563
1351-600	0-600mm	±0.05mm	810	180	54	88	38	20	27145

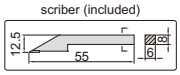
VERNIER HEIGHT GAGE (LIGHT DUTY)

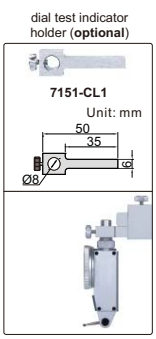
ATTENTION: CAN NOT USE CLAMP FOR PROTRACTORS (CODE 2372-CLAMP)



1253-200



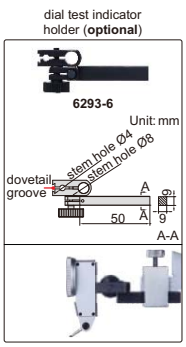




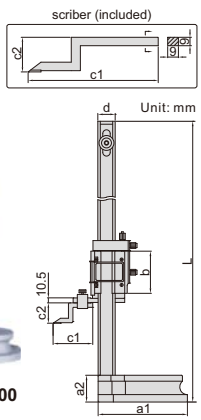
- Graduation 0.02mm/0.001"
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Optional accessory: dial test indicator holder (code **7151-CL1**)

Code	Range	Accuracy	Price(₹)
1253-200	0-200mm/0-8"	±0.03mm	8485

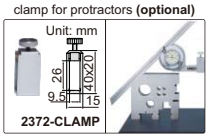
VERNIER HEIGHT GAGES



1250-300



- Graduation: 0.02mm/0.001"
- Adjustable main scale to set zero
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Supplied with magnifier
- With fine adjustment
- Supplied with dust cover
- Optional accessory: dial test indicator holder (code **6293-6**), clamp for protractors (code **2372-CLAMP**)



(mm)

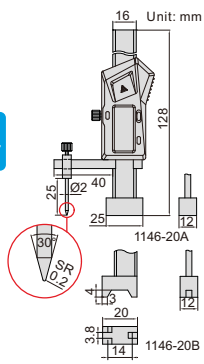
Code	Range	Accuracy	L	a1	a2	b	c1	c2	d	Price(₹)
1250-300	0-300mm/0-12"	±0.04mm	545	135	43	75	80	30	28	9781
1250-450	0-450mm/0-18"	±0.05mm	720	180	54	85	80	41	35	14028
1250-600	0-600mm/0-24"	±0.05mm	870	180	54	85	80	41	35	15010

MINI DIGITAL HEIGHT GAGES

DATA OUTPUT

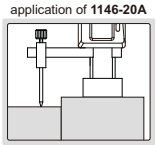
1146-20A

1146-20B

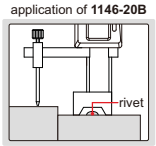


- Measure height difference of two surfaces (**1146-20B** suitable for surfaces with barrier, such as rivet)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

application of **1146-20A**



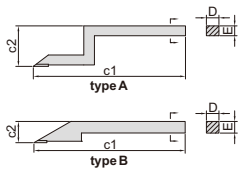
application of **1146-20B**



Code	Range	Accuracy	Price(₹)
1146-20A	0~±20mm/0~±0.8"	±0.02mm	5517
1146-20B	0~±20mm/0~±0.8"	±0.02mm	6240

SCRIBERS FOR HEIGHT GAGES

7150-SC1



- Carbide tipped

(mm)

Code	For height gages	Type	c1	c2	D	E	Price(₹)
7150-SC1	1150-300	A	76	25	6	8	1257
7150-SC2	1150-500, 1150-600	A	103	25	10	12	1427
7150-SC3	1150-1000, 1150-1500, 1150-2000	A	110	39	10	15	2789
7150-SC4	1351-300, 1351-450, 1351-600	B	78	15	9	9	933
7150-SC6	1250-300, 1156-300, 1156-600	A	80	30	9	9	1258
7150-SC7	1250-450, 1250-600	A	80	41	9	9	1338
7150-SC9	1253-150, 1253-200, 1154-150	B	55	12.5	6	8	734

WATERPROOF DIGITAL DEPTH GAGES

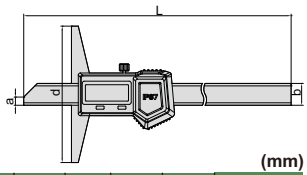
ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME

ATTENTION: NO DATE OUTPUT

IP67 WATERPROOF

1149-150

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Meet DIN862
- Battery CR2032
- Made of stainless steel



(mm)

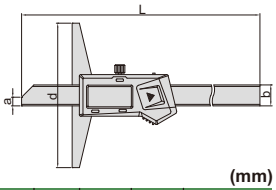
Code	Range	Accuracy	L	a	b	d	Price(₹)
1149-150	0-150mm/0-6"	±0.03mm	240	6	16	100	10006
1149-200	0-200mm/0-8"	±0.03mm	290	6	16	100	13691
1149-300	0-300mm/0-12"	±0.03mm	390	6	16	150	17569

DIGITAL DEPTH GAGES (STANDARD MODEL)

DATA OUTPUT

1141-150A

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



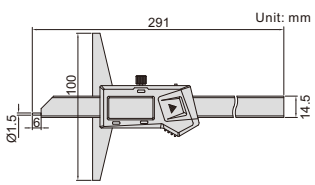
(mm)

Code	Range	Accuracy	L	a	b	d	Price(₹)
1141-150A	0-150mm/0-6"	±0.03mm	230	6	14.5	100	3132
1141-200A	0-200mm/0-8"	±0.03mm	280	6	14.5	100	3803
1141-300A	0-300mm/0-12"	±0.03mm	380	6	14.5	150	8084

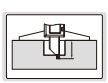
Sizes available up to 500mm

DIGITAL POINT DEPTH GAGE

1143-200A



DATA OUTPUT



Code	Range	Accuracy	Price(₹)
1143-200A	0-200mm/0-8"	±0.03mm	6603

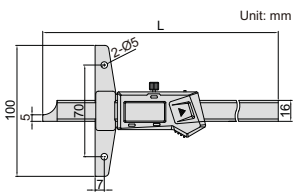
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

DIGITAL DEPTH GAGES WITH MOUNTING HOLES FOR EXTENSION BASE

DATA OUTPUT

1147-300

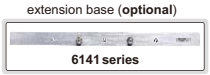
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**), extension base (code **6141**)



(mm)

Code	Range	Accuracy	L	Price(₹)
1147-150	0-150mm/0-6"	±0.03mm	237	4529
1147-200	0-200mm/0-8"	±0.03mm	287	5642
1147-300	0-300mm/0-12"	±0.03mm	403	9829

extension base (**optional**)

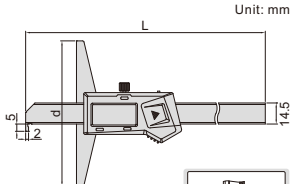


6141 series

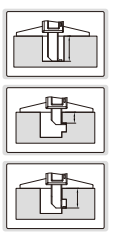
DIGITAL HOOK DEPTH GAGES

DATA OUTPUT

1142-150A



- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



(mm)

Code	Range	Accuracy	L	d	Price(₹)
1142-150A	0-150mm/0-6"	±0.03mm	230	100	4820
1142-200A	0-200mm/0-8"	±0.03mm	280	100	5899
1142-300A	0-300mm/0-12"	±0.04mm	380	150	11954

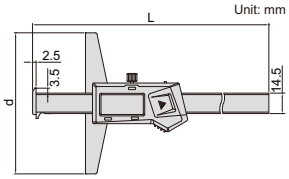
DIGITAL DOUBLE HOOK DEPTH GAGES

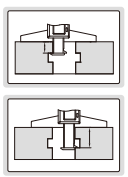
DATA OUTPUT

1144-150A

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

Unit: mm





(mm)

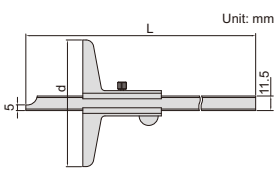
Code	Range	Accuracy	L	d	Price(₹)
1144-150A	0-150mm/0-6"	±0.03mm	233	100	5129
1144-200A	0-200mm/0-8"	±0.03mm	283	100	6068
1144-300A	0-300mm/0-12"	±0.03mm	383	150	12317

VERNIER DEPTH GAGES (STANDARD MODEL)

1240-2001

- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

Unit: mm



(mm)

Code	Range	Accuracy	L	d	Price(₹)
1240-1501	0-150mm	±0.03mm	245	100	1788
1240-2001	0-200mm	±0.03mm	282	100	1849
1240-3001	0-300mm	±0.04mm	382	100	2396

Sizes available up to 500mm

VERNIER DEPTH GAGES

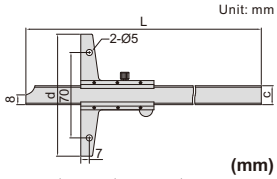
WITH MOUNTING HOLES FOR EXTENSION BASE

1247-1501

extension base (**optional**)

- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plating finish on reading surface
- Optional accessory: extension base (code **6141**)

Unit: mm



(mm)

Code	Range	Accuracy	L	c	d	Price(₹)
1247-1501	0-150mm	±0.03mm	240	16	100	2306
1247-2001	0-200mm	±0.03mm	290	16	100	2912
1247-3001	0-300mm	±0.04mm	390	16	100	3571
1247-6001	0-600mm	±0.05mm	704	16	150	17818
1247-1001	0-1000mm	±0.07mm	1124	18	200	37472

DIGITAL DEPTH GAGES WITH ROUND DEPTH BAR

DATA OUTPUT | MEASURE DEPTH OF SMALL HOLES (>Ø4mm) | MEASURE WIDTH AND DEPTH OF GROOVES INSIDE BORE

1148-100S

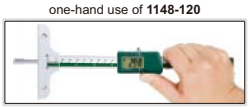
preset buttons

1148-200

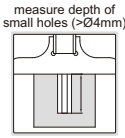
1148-120

VIDEO

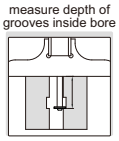
one-hand use of **1148-120**



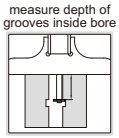
measure depth of small holes (>Ø4mm)



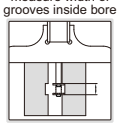
measure depth of grooves inside bore



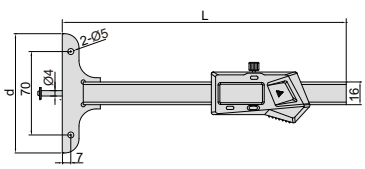
measure depth of grooves inside bore

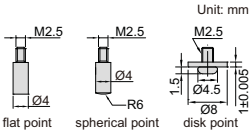


measure width of grooves inside bore



Unit: mm





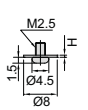
extension base for **1148-120** and **1148-200** (**optional**)

- Resolution: 0.01mm/0.0005"
- Supplied with three interchangeable points (flat, spherical, disk)
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**), disk points (see below table), extension base (code **6141**, for **1148-120** and **1148-200**)

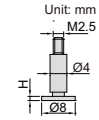
1148-P103 (optional), measure width of bottom grooves inside blind hole

Unit: mm

1148-P101 (optional)



1148-P101 and **1148-P102**



1148-P103 and **1148-P104**

(mm)

Code	Range*	Accuracy	L	d	Remark	Price(₹)
1148-100S	0-100mm/0-4"	±0.02mm	200	45		11218
1148-100	0-100mm/0-4"	±0.02mm	200	85		11227
1148-120	0-120mm/0-4.7"	±0.03mm	300	101	one-hand use, with mounting holes for extension base	13203
1148-200	0-200mm/0-8"	±0.03mm	300	101	with mounting holes for extension base	13301

*When disk points are used, the range is reduced by 10mm

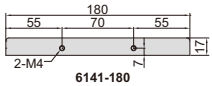
OPTIONAL DISK POINTS

Code	Description	H	Remark
1148-P101	0.5mm disk point	0.5±0.005mm	for narrow grooves
1148-P102	0.7mm disk point	0.7±0.005mm	for narrow grooves
1148-P103	1mm disk point	1±0.005mm	for grooves inside blind hole
1148-P104	0.5mm disk point	0.5±0.005mm	for grooves inside blind hole

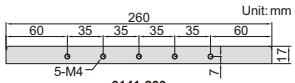
EXTENSION BASES

VIDEO

6141-260



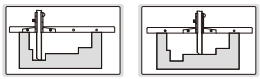
6141-180

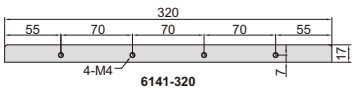


6141-260

Code	Length	Price(₹)
6141-180	180mm	1106
6141-260	260mm	1580
6141-320	320mm	2054

- Supplied with two screws
- Made of stainless steel
- Suitable for depth gages series **1147**, **1148**, **1247**, **1248** and **1249**



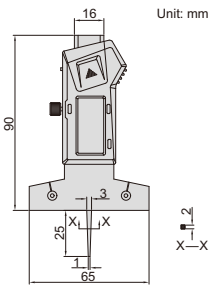


6141-320

DIGITAL DEPTH GAGE

DATA OUTPUT

1145-25A



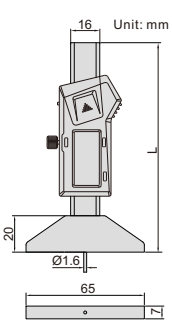
- Measure depth of small groove and hole, also measure depth of tire tread
- Buttons: on/off, zero, mm/inch
- Supplied with zero set surface
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

Code	Range	Accuracy	Resolution	Price(₹)
1145-25A	0-25mm/0-1"	±0.03mm	0.01mm/0.0005"	3652

MINI DIGITAL DEPTH GAGES WITH ROUND BAR

DATA OUTPUT

- Measure depth of small groove and hole
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+,-)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



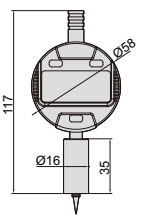
1140-25

Code	Range	Accuracy	L	Price(₹)
1140-25	0-25mm/0-1"	±0.02mm	114mm	5842
1140-50	0-50mm/0-2"	±0.02mm	140mm	6538

DIGITAL DEPTH GAGE

DATA OUTPUT

Unit: mm



2142-101

- Dial indicator stroke: 12.7mm/0.5"
- Dial indicator resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset, change measuring direction
- CR2032 battery, automatic power off
- Data ouput
- Stainless steel base
- Pointed tip
- Optional accessory: data output cable (code **7306-40, 7302-SPC3A, 7305-SPC1A, 7305-C01**)

Code	Range	Accuracy	Base	Price(₹)
2142-101	0-12.7mm/0-0.5"	±0.02mm	Ø16mm	6299

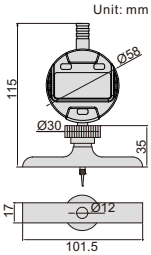
DIGITAL DEPTH GAGE

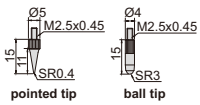
VIDEO

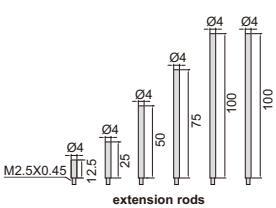
DATA OUTPUT

2141-202A

Unit: mm





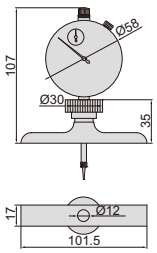


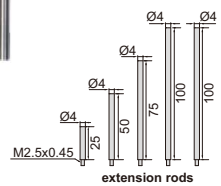
- Digital indicator stroke: 12.7mm/0.5"
- Digital indicator resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset, change measuring direction
- CR2032 battery, automatic power off
- Data ouput
- Stainless steel base
- Extension rods: 12.5mm (1pc), 25mm (1pc), 50mm (1pc), 75mm (1pc), 100mm (2pcs)
- Supplied with pointed tip and ball tip
- Optional accessory: data output cable (code **7306-40, 7302-SPC3A, 7305-SPC1A, 7305-C01**)

Code	Range	Accuracy	Base	Price(₹)
2141-202A	0-300mm/0-12"	±0.02mm	101.5x17mm	9179

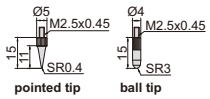
DIAL DEPTH GAGE

2342-202



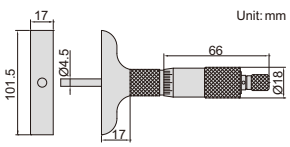


- Accuracy: ±0.03mm
- Dial indicator stroke: 30mm
- Dial indicator graduation: 0.01mm
- Stainless steel base
- Extension rods: 25mm (1pc), 50mm (1pc), 75mm (1pc), 100mm (2pcs)
- Supplied with pointed tip and ball tip



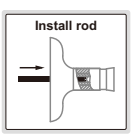
Code	Range	Base	Price(₹)
2342-202	0-300mm	101.5x17mm	6842

DEPTH MICROMETER



3240-25

- Meet DIN863-2
- Micrometer head accuracy: +/-3µm
- Rod accuracy: +/-(2+L/75)µm, L is the measuring range in mm
- Rods with flat end
- Ratchet stop



Code	Range	Graduation	Rods	Price(₹)
3240-25	0-25mm	0.01mm	1pc	2842

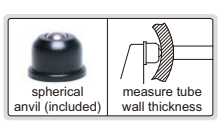
DIGITAL OUTSIDE MICROMETERS

DATA OUTPUT

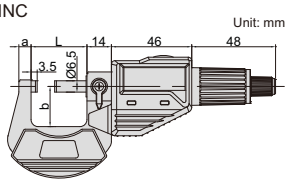
INSPECTION CERTIFICATE TRACEABLE TO DKD

3109-25S

data output cable (**optional**) code **7302-SPC5**



- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Battery CR2032, automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code **7302-SPC5**, only for **3109-25S**)



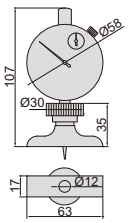
(mm)

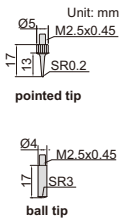
Code	Range	Accuracy	L	a	b	Price(₹)
3109-25S*	0-25mm/0-1"	±3µm	31.5	7.0	23	3648
3109-50S*	25-50mm/1-2"	±3µm	57.0	8.7	32	4381
3109-75S*	50-75mm/2-3"	±4µm	82.5	7.5	44	5233
3109-100S*	75-100mm/3-4"	±4µm	106.5	8.2	56	5944

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIAL DEPTH GAGE

2341-101A



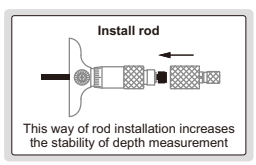


- Dial indicator graduation: 0.01mm
- Stainless steel base
- Supplied with pointed tip and ball tip

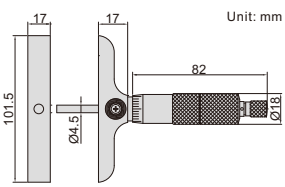
Code	Range	Dial indicator stroke	Accuracy	Price(₹)
2341-101A	0-10mm	10mm	±0.017mm	3993

DEPTH MICROMETERS

3241-100



- Meet DIN863-2
- Graduation: 0.01mm
- Micrometer head accuracy: +/-3µm
- Rod accuracy: +/-(2+L/75)µm, L is the measuring range in mm
- Rods with flat end
- Ratchet stop



Code	Range	Rods	Price(₹)
3241-25	0-25mm	1pc	3687
3241-50	0-50mm	2pcs	4344
3241-100	0-100mm	4pcs	5916
3241-150	0-150mm	6pcs	7252
3241-300	0-300mm	12pcs	11571

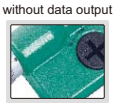
DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)

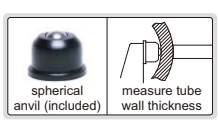
INSPECTION CERTIFICATE TRACEABLE TO DKD

ATTENTION: NO DATA OUTPUT

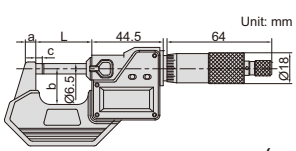
IP65 WATERPROOF

3108-25A





- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



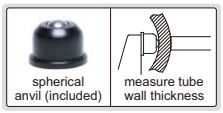
(mm)

Code	Range	Accuracy	L	a	b	c	Price(₹)
3108-25A*	0-25mm/0-1"	±2µm	34.5	6	25	3	5007
3108-50A*	25-50mm/1-2"	±2µm	59.5	8	32	3	6256
3108-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5	3	8034
3108-100A*	75-100mm/3-4"	±3µm	109.5	8	57	3	8844
3108-125A	100-125mm/4-5"	±3µm	135	10	70	3	10255
3108-150A	125-150mm/5-6"	±3µm	160.5	10	82	3	11185
3108-175A	150-175mm/6-7"	±4µm	186	12	94.5	5.5	12239
3108-200A	175-200mm/7-8"	±4µm	211.5	12	107	5.5	13550

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT)

3101-25A

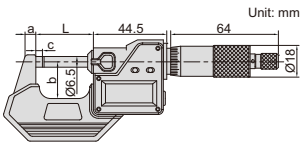


IP65 WATERPROOF

DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO DKD

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable **(code 7306-30A, 7302-SPC6, 7305-SPC3A, 7305-B01)**



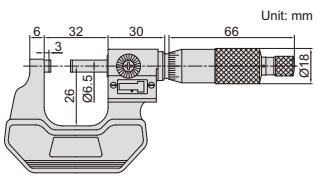
(mm)

Code	Range	Accuracy	L	a	b	c	Price(₹)
3101-25A*	0-25mm/0-1"	±2μm	34.5	6	25	3	9114
3101-50A*	25-50mm/1-2"	±2μm	59.5	8	32	3	9828
3101-75A*	50-75mm/2-3"	±3μm	84.5	8	44.5	3	9498
3101-100A*	75-100mm/3-4"	±3μm	109.5	8	57	3	10182

*Supplied with manufacturer inspection certificate traceable to DKD Germany
-Sizes available up to 300mm

OUTSIDE MICROMETER WITH COUNTER

3400-25



INSPECTION CERTIFICATE TRACEABLE TO DKD

- Accuracy: 4μm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

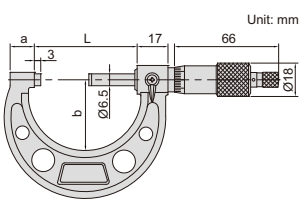
Code	Range	Counter resolution	Thimble graduation	Price(₹)
3400-25*	0-25mm	0.01mm	0.01mm	3283

*Supplied with manufacturer inspection certificate traceable to DKD Germany
-Sizes available up to 100mm

1μm GRADUATION OUTSIDE MICROMETERS

INSPECTION CERTIFICATE TRACEABLE TO DKD

3210-25A



- Graduation: 0.001mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

(mm)

Code	Range	Accuracy	L	a	b	Price(₹)
3210-25A*	0-25mm	4μm	32	9	28	1562
3210-50A*	25-50mm	4μm	57	14	38	1713
3210-75A*	50-75mm	5μm	82	15	49	1898
3210-100A*	75-100mm	5μm	107	15	60	2098
3210-125A	100-125mm	6μm	133	16.5	73	2530
3210-150A	125-150mm	6μm	158	16.5	85	2893
3210-175A	150-175mm	7μm	183	19.4	104	3439
3210-200A	175-200mm	7μm	209	19.4	117	3861

*Supplied with manufacturer inspection certificate traceable to DKD Germany

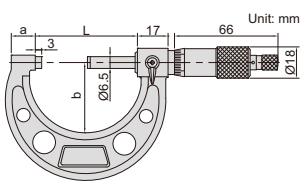
OUTSIDE MICROMETERS

INSPECTION CERTIFICATE TRACEABLE TO DKD

3203-50A

3203-25A

- Graduation: metric 0.01mm
  imperial .0001"
- Carbide measuring faces
- Ratchet stop
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm and 0-1")



Imperial

Code	Range	Accuracy	L	a	b	Price(₹)
3203-1A*	0-1"	.00016"	1.260"	.354"	1.102"	1348
3203-2A*	1-2"	.00016"	2.244"	.551"	1.496"	1515
3203-3A*	2-3"	.00020"	3.228"	.591"	1.929"	1676
3203-4A*	3-4"	.00020"	4.213"	.591"	2.362"	1864
3203-5A*	4-5"	.00024"	5.236"	.650"	2.874"	2344
3203-6A*	5-6"	.00024"	6.220"	.650"	3.346"	2654

*Supplied with manufacturer inspection certificate traceable to DKD Germany or NIST USA

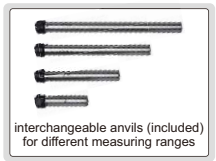
Metric (mm)

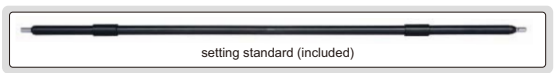
Code	Range	Accuracy	L	a	b	Price(₹)
3203-25A*	0-25mm	±2μm	32	9	28	1319
3203-50A*	25-50mm	±2μm	57	14	38	1495
3203-75A*	50-75mm	±2μm	82	15	49	1734
3203-100A*	75-100mm	±3μm	107	15	60	1929
3203-125A	100-125mm	±3μm	133	16.5	73	2344
3203-150A	125-150mm	±3μm	158	16.5	85	2654
3203-175A	150-175mm	±4μm	183	19.4	104	3258
3203-200A	175-200mm	±4μm	209	19.4	117	3609
3203-225A	200-225mm	±4μm	234	19.4	130	3897
3203-250A	225-250mm	±5μm	260	19.4	142	4363
3203-275A	250-275mm	±5μm	285	19.4	155	4832
3203-300A	275-300mm	±5μm	310	19.4	168	5126

OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

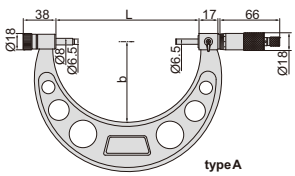
3206-150A

3206-400

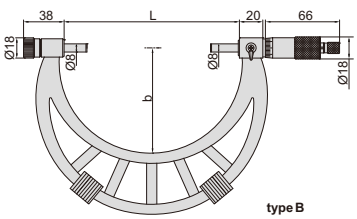




Unit: mm



type A



type B

- Graduation: metric 0.01mm
  imperial .0001"
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards

Metric (mm)

Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3206-100A	0-100mm	A	5μm	108	57	25, 50, 75	8247
3206-150A	0-150mm	A	6μm	158	82	25, 50, 75, 100, 125	10222
3206-151A	50-150mm	A	6μm	158	82	50, 75, 100, 125	9091
3206-200A	100-200mm	A	7μm	208	114	100, 125, 150, 175	11650
3206-300A	150-300mm	A	9μm	308	165	150, 175, 200, 225, 250, 275	13079
3206-301A	200-300mm	A	9μm	308	165	200, 225, 250, 275	12718
3206-400	300-400mm	B	11μm	409	224	325, 375	20268
3206-500	400-500mm	B	13μm	509	275	425, 475	22870
3206-600	500-600mm	B	14μm	609	321	525, 575	26214
3206-700	600-700mm	B	16μm	709	371	625, 675	30215
3206-800	700-800mm	B	18μm	809	426	725, 775	35284
3206-900	800-900mm	B	20μm	909	476	825, 875	39997
3206-1000	900-1000mm	B	22μm	1009	576	925, 975	45715

Imperial

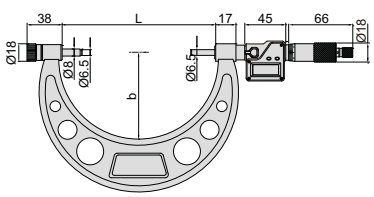
Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3206-6	0-6"	A	.00024"	6.220"	3.228"	1", 2", 3", 4", 5"	9974
3206-8	4-8"	A	.00028"	8.189"	4.488"	4", 5", 6", 7"	11524
3206-12	6-12"	A	.00035"	12.126"	6.496"	6", 7", 8", 9", 10", 11"	12657

DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

IP65 WATERPROOF

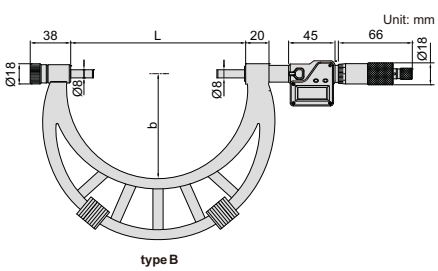
DATA OUTPUT

3506-400A

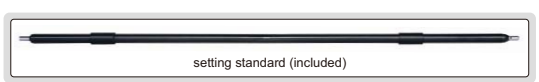


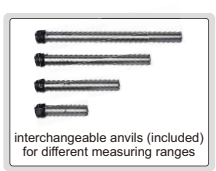
type A

Unit: mm



type B





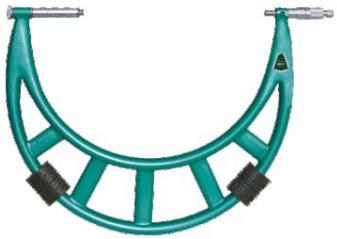
- Resolution 0.001mm/0.0001"
  (resolution of **3506-150A** is 0.001mm/0.00005")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable
  (code **7306-30A, 7302-SPC6, 7305-SPC3A, 7305-B01**)

(mm)

Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3506-150A	0-150mm/0-6"	A	±6μm	155	82	25, 50, 75, 100, 125	18316
3506-300A	150-300mm/6-12"	A	±8μm	305	165	150, 175, 200, 225, 250, 275	21188
3506-400A	300-400mm/12-16"	B	±9μm	405	224	325, 375	25523
3506-500A	400-500mm/16-20"	B	±11μm	505	275	425, 475	27721

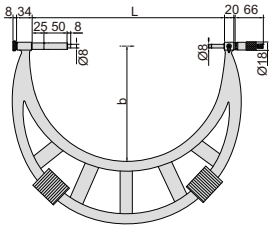
Sizes available up to 1000mm

OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR

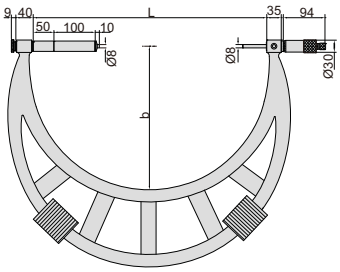


3205-400

Unit: mm

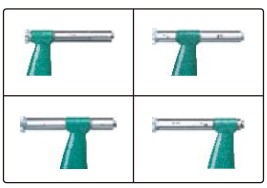


type A



type B

setting standard (included)



adjust collars for different measuring ranges

- Graduation: 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards

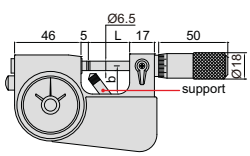
(mm)

Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3205-400	300-400mm	A	11μm	410	250	325, 375	16020
3205-500	400-500mm	A	13μm	510	295	425, 475	18109
3205-600	500-600mm	A	14μm	610	345	525, 575	21320
3205-700	600-700mm	A	16μm	710	395	625, 675	25601
3205-800	700-800mm	A	18μm	810	445	725, 775,	30155
3205-900	800-900mm	A	20μm	910	495	825, 875	35082
3205-1000	900-1000mm	A	22μm	1010	545	925, 975	39190
3205-1200	1000-1200mm	B	22μm	1210	645	1050, 1150	81063
3205-1400	1200-1400mm	B	24μm	1410	745	1250, 1350	86559
3205-1600	1400-1600mm	B	28μm	1610	845	1450, 1550	96641
3205-1800	1600-1800mm	B	31μm	1810	945	1650, 1750	102846
3205-2000	1800-2000mm	B	34μm	2010	1045	1850, 1950	108766

INDICATING MICROMETERS

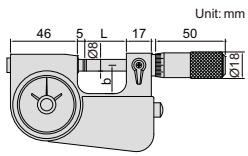
3332-25

3332-25B



type A

Unit: mm



type B

- Meet DIN863-3
- Micrometer head graduation: 0.002mm
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

(mm)

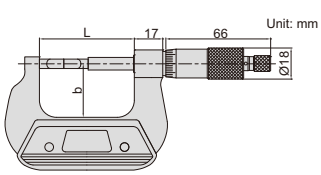
Code	Micrometer head range	Micrometer head accuracy	Type	L	b	Remark	Price(₹)
3332-25	0-25mm	4μm	A	28.5	19	with support	18080
3332-50	25-50mm	4μm	A	53.5	30	with support	20691
3332-75	50-75mm	5μm	A	78.5	45	without support	23704
3332-100	75-100mm	5μm	A	103.5	57	without support	27013
3332-25B	0-25mm	4μm	B	28.5	19	without support	18080

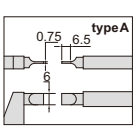
BLADE MICROMETERS

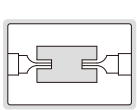
NON-ROTATING SPINDLE

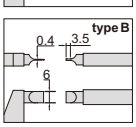
3232-25A

Unit: mm









- Meet DIN863-3
- Measure the groove diameter of shafts and keyways
- Graduation: 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

(mm)

Code	Range	Type	Accuracy	L	b	Price(₹)
3232-25A	0-25mm	A	4μm	57	32	6311
3232-50A	25-50mm	A	4μm	82	44.5	8498
3232-75A	50-75mm	A	5μm	107	57	9154
3232-100A	75-100mm	A	5μm	132.6	69.5	9903
3232-25BA	0-25mm	B	4μm	57	32	7760

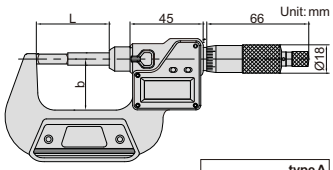
Sizes available up to 175mm

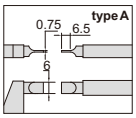
DIGITAL BLADE MICROMETERS

NON-ROTATING SPINDLE

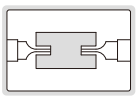
DATA OUTPUT

3532-25A





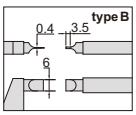
- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code **7306-30A, 7302-SPC6, 7305-SPC3A, 7305-B01**)



(mm)

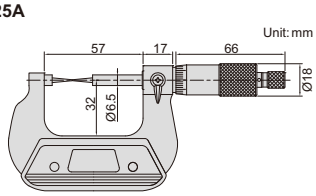
Code	Range	Type	Accuracy	Price(₹)
3532-25A	0-25mm/0-1"	A	±4μm	15771
3532-25BA	0-25mm/0-1"	B	±4μm	17246

Sizes available up to 100mm

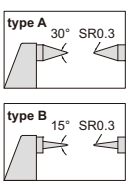


POINT MICROMETERS

3230-25A



- Measure the web thickness of drills, small grooves and keyways
- Graduation: 0.01mm
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)



Code	Range	Type	Accuracy	Price(₹)
3230-25A	0-25mm	A	4μm	3869
3230-25BA	0-25mm	B	4μm	3869

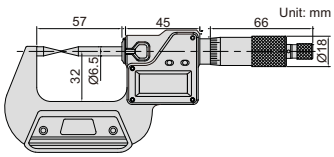
Sizes available up to 100mm

DIGITAL POINT MICROMETERS

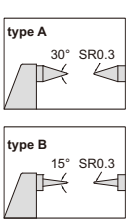
DATA OUTPUT

IP65 WATERPROOF

3530-25A



- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code **7306-30A, 7302-SPC6, 7305-SPC3A, 7305-B01**)

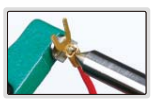


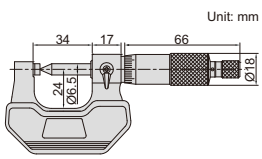
Code	Range	Type	Accuracy	Price(₹)
3530-25A	0-25mm/0-1"	A	±4μm	11979
3530-25BA	0-25mm/0-1"	B	±4μm	12015

Sizes available up to 100mm

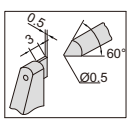
CRIMP HEIGHT MICROMETER

3266-25BA





- Measure the height of crimp contact
- Graduation: 0.01mm
- Ratchet stop

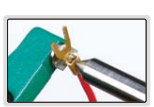


Code	Range	Accuracy	Price(₹)
3266-25BA	0-25mm	4μm	4078

DIGITAL CRIMP HEIGHT MICROMETER

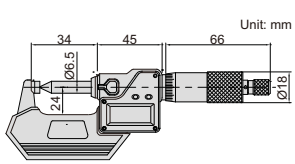
IP65 WATERPROOF

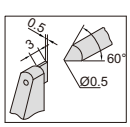
DATA OUTPUT



3566-25BA

- Measure the height of crimp contact
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: data output cable (code **7306-30A, 7302-SPC6, 7305-SPC3A, 7305-B01**)

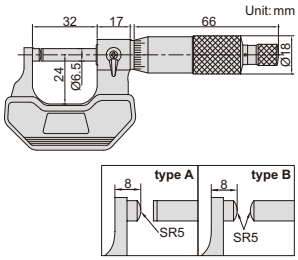




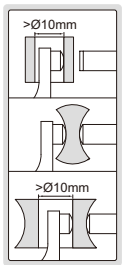
Code	Range	Accuracy	Price(₹)
3566-25BA	0-25mm/0-1"	±4μm	14119

SPHERICAL ANVIL TUBE MICROMETERS

3260-25SA



- Meet DIN863-3
- Measure wall thickness of tubes
- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

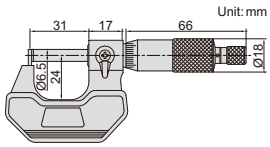


Code	Range	Type	Accuracy	Price(₹)
3260-25A	0-25mm	A	4μm	2144
3260-25SA	0-25mm	B	4μm	2144

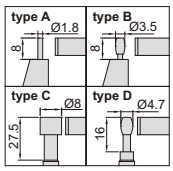
Sizes available up to 100mm

CYLINDRICAL ANVIL TUBE MICROMETERS

3261-25A

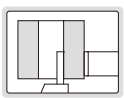


- Measure wall thickness of tubes
- Graduation: 0.01mm
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm)



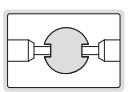
Code	Range	Type	Accuracy	Price(₹)
3261-25A	0-25mm	A	6μm	2688
3261-25BA	0-25mm	B	6μm	2880
3261-25CA	0-25mm	C	6μm	2880
3261-25DA	0-25mm	D	6μm	2650

Sizes available up to 50mm

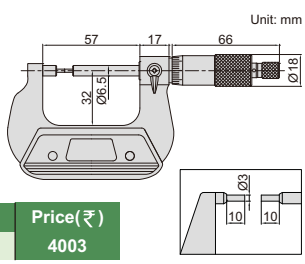


SPLINE MICROMETER

3233-25BA



- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

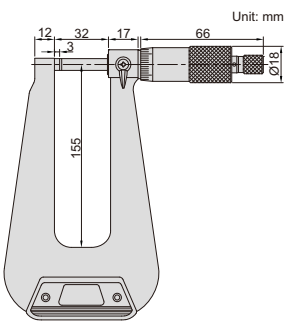


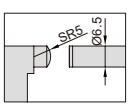
Code	Range	Accuracy	Price(₹)
3233-25BA	0-25mm	4μm	4003

Sizes available up to 175mm

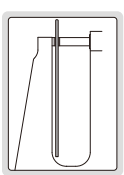
SHEET METAL MICROMETER

3239-253F





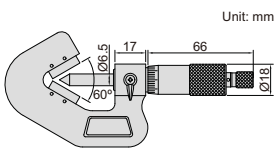
- Deep frame suitable for sheet metal, paper and plastic
- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces



Code	Range	Accuracy	Price(₹)
3239-253F	0-25mm	7μm	5417

V-ANVIL MICROMETERS

3290-153A



- Meet DIN863-3
- Measure the outside diameter of cutting tools (such as taps, reamers, end mills) with 3 or 5 flutes
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards

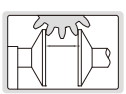
Code	Range	Flutes	Graduation	Accuracy	Price(₹)
3290-153A	1-15mm	3	0.01mm	4μm	8755
3290-203A	5-20mm	3	0.01mm	4μm	9310

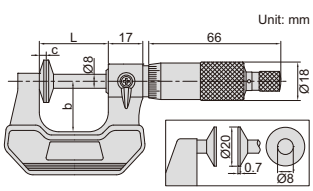
Sizes available up to 95mm

DISK MICROMETERS

VIDEO

3282-25





- Meet DIN863-3
- Measure root tangent length of gear
- Graduation: 0.01mm
- Ratchet stop
- Supplied with setting standards

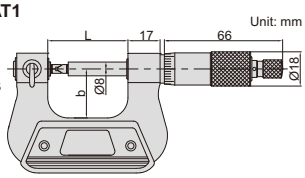
(mm)

Code	Range	Accuracy	Parallelism	L	b	c	Price(₹)
3282-25	0-25mm	4μm	5μm	34	24	3.3	4664
3282-50	25-50mm	4μm	5μm	59	32	3.3	5404
3282-75	50-75mm	5μm	5μm	85	45	3.3	6095
3282-100	75-100mm	5μm	5μm	110	57	3.3	7213

SCREW THREAD MICROMETERS WITH MEASURING TIPS

NON-ROTATING SPINDLE

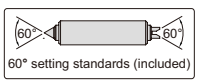
3281-25AT1



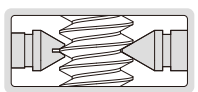
- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with measuring tips and 60° setting standards (except 0-25mm)

accuracy of micrometers with tips (mm)

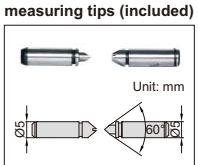
Pitch	Range					
	0-25	25-50	50-75	75-100	100-125	125-200
0.4~0.5	±0.01	-	-	-	-	-
0.6~0.8	±0.01	±0.013	-	-	-	-
1~1.25	±0.012	±0.015	±0.017	±0.017	-	-
1.5~2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023
2.5~3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0~7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028



60° setting standards (included)



measuring tips (included)



60° measuring tips (6 pairs):
0.4-0.5mm/ 64-48TPI,
0.6-0.9mm/ 44-28TPI,
1-1.75mm/ 24-14TPI,
2-3mm/ 13-9TPI,
3.5-5mm/ 8-5TPI,
5.5-7mm/ 4.5-3.5TPI

(mm)

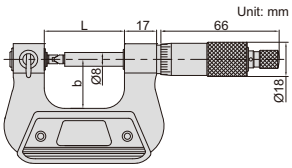
Code	Range	L	b	Price(₹)
3281-25AT1	0-25mm	42	26	10772
3281-50AT1	25-50mm	67	38	11297
3281-75AT1	50-75mm	92	50	12153
3281-100AT1	75-100mm	117.6	62	12792
3281-125AT1	100-125mm	143	70	13755
3281-150AT1	125-150mm	168.2	82	14729
3281-175AT1	150-175mm	192	94.5	15945
3281-200AT1	175-200mm	217	107	16788

SCREW THREAD MICROMETERS WITHOUT MEASURING TIPS

NON-ROTATING SPINDLE

measuring tips are not included

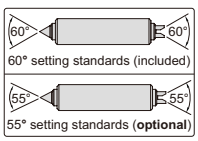
3281-25A



- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards
- Optional accessary: 55° setting standards, measuring tips (code **7381**)

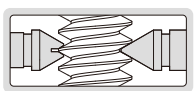
accuracy of micrometers with tips (mm)

Pitch	Range					
	0-25	25-50	50-75	75-100	100-125	125-200
0.4~0.5	±0.01	-	-	-	-	-
0.6~0.8	±0.01	±0.013	-	-	-	-
1~1.25	±0.012	±0.015	±0.017	±0.017	-	-
1.5~2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023
2.5~3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0~7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028



60° setting standards (included)

55° setting standards (**optional**)



Code	Range	L	b	55° setting standard (optional)	Price (₹)
3281-25A	0-25mm	42mm	26mm	-	5072
3281-50A	25-50mm	67mm	38mm	3281-SP1	5655
3281-75A	50-75mm	92mm	50mm	3281-SP2	6596
3281-100A	75-100mm	117.6mm	62mm	3281-SP3	7318
3281-125A	100-125mm	143mm	70mm	3281-SP4	8371
3281-150A	125-150mm	168.2mm	82mm	3281-SP5	9446
3281-175A	150-175mm	192mm	94.5mm	3281-SP6	10260
3281-200A	175-200mm	217mm	107mm	3281-SP7	11368

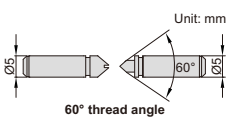
MEASURING TIPS FOR SCREW THREAD MICROMETERS

- Supplied in pair
- Suitable for **3281**, **3581** series micrometers

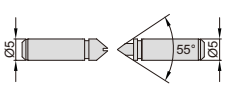
7381-T13

Metric and unified thread (60° thread angle)

Code	Pitch	Price(₹)
7381-T11	0.4-0.5mm/64-48TPI	918
7381-T12	0.6-0.9mm/44-28TPI	918
7381-T13	1-1.75mm/24-14TPI	918
7381-T14	2-3mm/13-9TPI	918
7381-T15	3.5-5mm/8-5TPI	918
7381-T16	5.5-7mm/4.5-3.5TPI	918
7381-TS	6 pairs/set, including all above tips	5830



60° thread angle



55° thread angle

Whitworth thread (55° thread angle)

Code	Pitch	Price(₹)
7381-T21	60-48TPI	918
7381-T22	48-40TPI	918
7381-T23	40-32TPI	918
7381-T24	32-24TPI	918
7381-T25	24-18TPI	918
7381-T26	18-14TPI	918

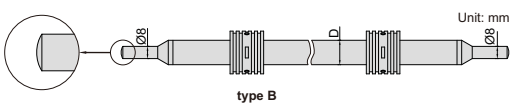
Code	Pitch	Price(₹)
7381-T27	14-10TPI	918
7381-T28	10-7TPI	918
7381-T29	7-4.5TPI	918
7381-T210	4.5-3.5TPI	918
7381-T2S	10 pairs/set, including all above tips	8796

MICROMETER SETTING STANDARDS

6310-100

type A

6310-300



type B

(mm)

Code	Length	Type	Accuracy	D	Price(₹)
6310-25	25	A	±1.5μm	Ø7	212
6310-50	50	A	±2μm	Ø7	241
6310-75	75	A	±2.5μm	Ø7	296
6310-100	100	A	±3μm	Ø8	377
6310-125	125	A	±3.5μm	Ø8	462
6310-150	150	A	±4μm	Ø8	517
6310-175	175	A	±4.5μm	Ø8	597
6310-200	200	A	±5μm	Ø8	681
6310-225	225	A	±5.5μm	Ø8	755
6310-250	250	A	±6μm	Ø8	864
6310-275	275	A	±6.5μm	Ø8	938
6310-300	300	B	±7μm	Ø16	1792

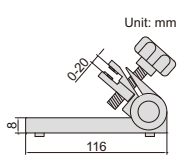
Sizes available up to 1950mm

MICROMETER STAND

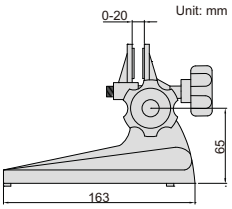
Code	Price(₹)
6300	1438

- Suitable for micrometers up to 100mm

6300



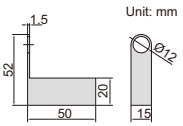
MICROMETER STAND



6301

Code	Price(₹)
6301	980

- Suitable for micrometers up to 100mm

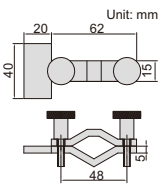


6301-1

- Suitable for inside micrometers

Code	Description	Applicable products	Price(₹)
6301-1	clamp for inside micrometers	all sizes of **3220** series	1413

6301-2

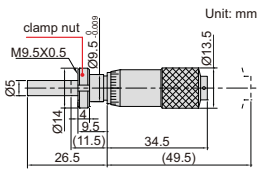


- Suitable for three points internal micrometers

Code	Description	Applicable products	Price(₹)
6301-2	clamp for three points internal micrometers	up to100mm of **3127** and **3227** series	3626

MICROMETER HEAD

6387-15



- Meet DIN863-2
- Graduation 0.01mm

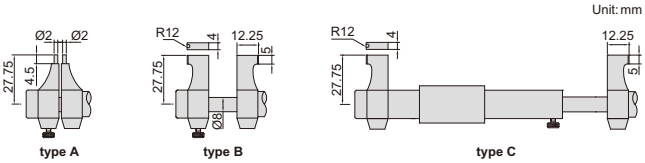
Code	Range	Stem	Spindle tip	Accuracy	Price(₹)
6387-15	0-15mm	with clamp nut	flat	3μm	1773

INSIDE MICROMETERS

- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessory: setting ring (code **6312**), micrometer stand and clamp (code **6301** and **6301-1**)

3220-50

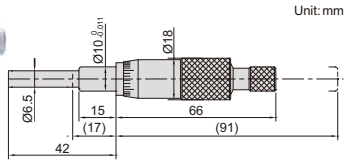
micrometer stand with clamp



Code	Range	Type	Setting ring	Accuracy	Price(₹)
3220-30	5-30mm	A	5mm(included)	7μm	3924
3220-50	25-50mm	B	25mm(included)	8μm	4164
3220-75	50-75mm	B	50mm**(optional)**	9μm	4846
3220-100	75-100mm	C	75mm**(optional)**	10μm	5444

MICROMETER HEAD

6381-25W

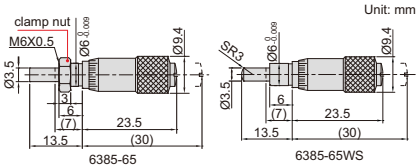


- Meet DIN863-2
- Graduation: 0.01mm
- Ratchet stop

Code	Range	Stem	Spindle tip	Accuracy	Price(₹)
6381-25W	0-25mm	plain	flat (carbide)	3μm	1355

SMALL MICROMETER HEADS

6385-65W



- Graduation 0.01mm

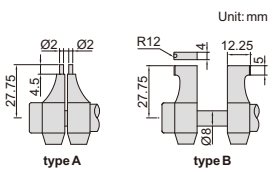
Code	Range	Stem	Spindle tip	Accuracy	Price(₹)
6385-65	0-6.5mm	with clamp nut	flat	5μm	1639
6385-65W	0-6.5mm	plain	flat	5μm	1424
6385-65S	0-6.5mm	with clamp nut	spherical (SR3)	5μm	1701
6385-65WS	0-6.5mm	plain	spherical (SR3)	5μm	1424

DIGITAL INSIDE MICROMETERS

DATA OUTPUT

3520-30

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code **7306-30A, 7302-SPC6, 7305-SPC3A, 7305-B01**), setting ring (code **6312**)

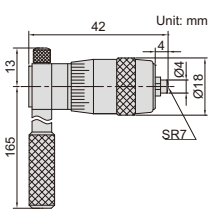


Code	Range	Type	Setting ring	Accuracy	Price(₹)
3520-30	5-30mm/0.2-1.2"	A	5mm(included)	±5μm	13964
3520-50	25-50mm/1-2"	B	25mm(included)	±6μm	14617

Sizes available up to 100mm

TUBULAR INSIDE MICROMETERS

3221-200



- Graduation: 0.01mm
- Accuracy: (6+L/50)μm
  L=maximum measuring length (mm)
- Optional accessory: setting ring (code **6312**)

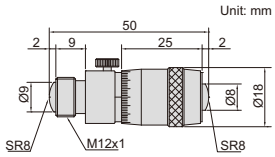
Code	Range	Travel of micrometer head	Extension rods	Price(₹)
3221-50	25-50mm	7mm	2pcs	6599
3221-200	50-200mm	13mm	6pcs	8588
3221-300	50-300mm	13mm	10pcs	9621

Sizes available up to 1000mm

TUBULAR INSIDE MICROMETERS

- Graduation: 0.01mm
- Accuracy: (3+n+L/50)μm
  n=number of rods,
  L=maximum measuring length (mm)
- Supplied with setting standards
- Carbide measuring faces

3222-150



Code	Range	Travel of micrometer head	Extension rods	Price(₹)
3222-150	50-150mm	13mm	13mm, 25mm, 50mm	5924
3222-300	50-300mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm	7973
3222-500	50-500mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm, 200mm	9865
3222-600	50-600mm	13mm	13mm, 25mm, 50mm, 100mm, 150mm, 200mm	10430
3222-1000	50-1000mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm, 200mm (2pcs), 300mm	18962

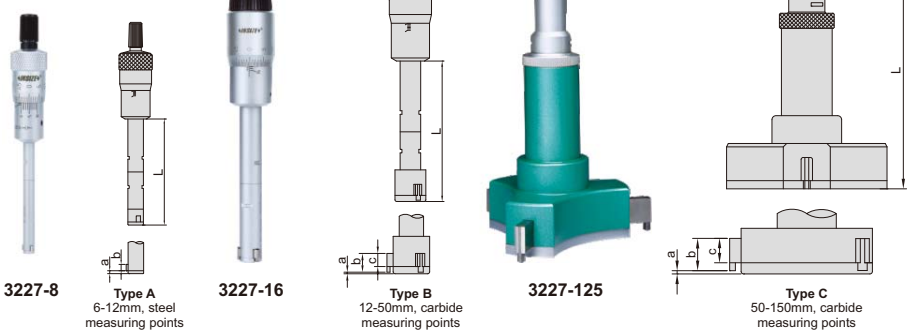
Sizes available up to 1500mm

THREE POINTS INTERNAL MICROMETERS

INSPECTION CERTIFICATE

- Meet DIN863-4
- 6-12mm: graduation 0.001mm,
  12-300mm: graduation 0.005mm
- Ratchet stop
- Optional accessory: setting rings (code **6312**), micrometer stand and clamp (code **6301** and **6301-2**)

micrometer stand with clamp



3227-8 | Type A 6-12mm, steel measuring points | 3227-16 | Type B 12-50mm, carbide measuring points | 3227-125 | Type C 50-150mm, carbide measuring points

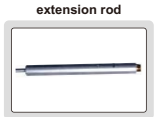
Individual (mm)

Code	Range	Type	Accuracy	Setting ring	Extension rod (included)	L	a	b	c	Price(₹)
3227-8*	6-8mm	A	4μm	Ø6mm(included)	100mm	54.5	1.5	2.5	—	15122
3227-10*	8-10mm	A	4μm	Ø8mm(included)	100mm	54.5	1.5	2.5	—	15122
3227-12*	10-12mm	A	4μm	Ø10mm(included)	100mm	54.5	1.5	2.5	—	15122
3227-16*	12-16mm	B	4μm	Ø16mm(included)	150mm	80	0.5	6	4.5	11425
3227-20*	16-20mm	B	4μm	Ø16mm(included)	150mm	80	0.5	6	4.5	11425
3227-25*	20-25mm	B	4μm	Ø25mm(included)	150mm	90	0.5	8	6	16058
3227-30*	25-30mm	B	4μm	Ø25mm(included)	150mm	90	0.5	8	6	16058
3227-40*	30-40mm	B	4μm	Ø40mm(included)	150mm	97	0.5	14	12	17295
3227-50*	40-50mm	B	5μm	Ø40mm(included)	150mm	97	0.5	14	12	20086
3227-63*	50-63mm	C	5μm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	21745
3227-75*	62-75mm	C	5μm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	23325
3227-88*	75-88mm	C	5μm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	24379
3227-100*	87-100mm	C	5μm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	25353
3227-125*	100-125mm	C	5μm	Ø112.5mm**(optional)**	150mm	145	0.5	19.5	14.5	27977
3227-150*	125-150mm	C	5μm	Ø137.5mm**(optional)**	150mm	145	0.5	19.5	14.5	33052

setting ring

6-100mm: included
100-150mm: **optional**

extension rod



included

interchangeable jaws

100-150mm: have two sets of jaws for different measuring range (For example, 3227-125 has 100-112.5mm and 112.5-125mm jaws)

Set

Code	Range	Micrometers included	Setting ring (included)	Extension rod (included)	Price(₹)
3227-123*	6-12mm	6-8mm, 8-10mm, 10-12mm	Ø6mm, Ø8mm, Ø10mm	100mm	42308
3227-202*	12-20mm	12-16mm, 16-20mm	Ø16mm	150mm	21264
3227-504*	20-50mm	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm	60710
3227-1004*	50-100mm	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm	81221

3227-504

*Supplied with manufacturer inspection certificate
-Sizes available up to 300mm

DIGITAL THREE POINTS INTERNAL MICROMETERS

INSPECTION CERTIFICATE

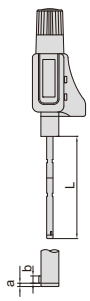
micrometer stand with clamp

IP54 WATERPROOF

DATA OUTPUT

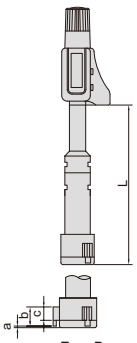
- Meet DIN863-4
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Buttons: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Optional accessary: data output cable, (code **7306-30A**, **7302-SPC6**, **7305-SPC3A, 7305-B01**), setting ring (code **6312**), micrometer stand and clamp (code **6301** and **6301-2**)

3127-12



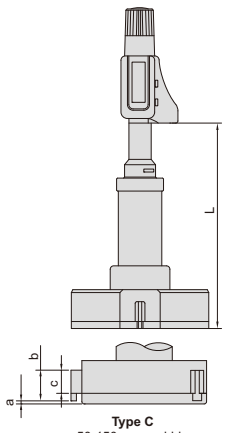
Type A
6-12mm, steel measuring points

3127-40



Type B
12-50mm, carbide measuring points

3127-125



Type C
50-150mm, carbide measuring points

Individual (mm)

Code	Range	Type	Accuracy	Setting ring	Extension rod (included)	L	a	b	c	Price(₹)
3127-8 *	6-8mm/0.24-0.31"	A	4μm	Ø6mm(included)	100mm	54.5	1.5	2.5	—	22853
3127-10 *	8-10mm/0.31-0.39"	A	4μm	Ø8mm(included)	100mm	54.5	1.5	2.5	—	22853
3127-12 *	10-12mm/0.39-0.47"	A	4μm	Ø10mm(included)	100mm	54.5	1.5	2.5	—	22853
3127-16 *	12-16mm/0.47-0.63"	B	4μm	Ø16mm(included)	150mm	80	0.5	6	4.5	24617
3127-20 *	16-20mm/0.63-0.79"	B	4μm	Ø16mm(included)	150mm	80	0.5	6	4.5	24617
3127-25 *	20-25mm/0.79-0.98"	B	4μm	Ø25mm(included)	150mm	90	0.5	8	6	25631
3127-30 *	25-30mm/0.98-1.18"	B	4μm	Ø25mm(included)	150mm	90	0.5	8	6	25631
3127-40 *	30-40mm/1.18-1.57"	B	4μm	Ø40mm(included)	150mm	97	0.5	14	12	28319
3127-50 *	40-50mm/1.57-1.97"	B	5μm	Ø40mm(included)	150mm	97	0.5	14	12	28319
3127-63 *	50-63mm/1.97-2.48"	C	5μm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	30600
3127-75 *	62-75mm/2.44-2.95"	C	5μm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	32376
3127-88 *	75-88mm/2.95-3.46"	C	5μm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	33644
3127-100 *	87-100mm/3.43-3.94"	C	5μm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	34987
3127-125 *	100-125mm/3.94-4.92"	C	5μm	Ø112.5mm**(optional)**	150mm	150	0.5	19.5	14.5	36052
3127-150 *	125-150mm/4.92-5.91"	C	5μm	Ø137.5mm**(optional)**	150mm	150	0.5	19.5	14.5	41378

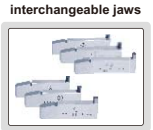
setting ring

6-100mm: included
100-150mm: **optional**

extension rod

included

interchangeable jaws



100-150mm: have two sets of jaws for different measuring range (For example, 3127-125 has 100-112.5mm and 112.5-125mm jaws)

Set

Code	Range	Micrometers included	Setting ring (included)	Extension rod (included)	Price(₹)
3127-123 *	6-12mm/0.24-0.47"	6-8mm, 8-10mm, 10-12mm	Ø6mm,Ø8mm,Ø10mm	100mm	63530
3127-202 *	12-20mm/0.47-0.79"	12-16mm, 16-20mm	Ø16mm	150mm	45152
3127-504 *	20-50mm/0.79-1.97"	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm	94647
3127-1004 *	50-100mm/1.97-3.94"	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm	111517

3127-504

*Supplied with manufacturer inspection certificate
-Sizes available up to 300mm

DIGITAL WIDE RANGE THREE POINTS INTERNAL MICROMETERS

INSPECTION CERTIFICATE

- Meet DIN863-4
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Buttons: on/off, set, mm/inch, ABS/INC
- Data output, LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with extension rods
- Setting rings are included (except 200-300mm)
- Optional accessary: data output cable (code **7306-30A**, **7302-SPC6**, **7305-SPC3A, 7305-B01**)

setting ring

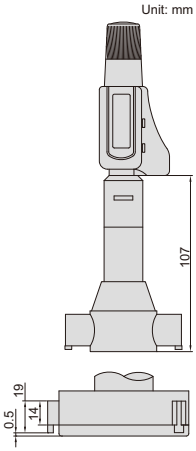
extension rod (included)

3128-70

Unit: mm

IP54 WATERPROOF

DATA OUTPUT

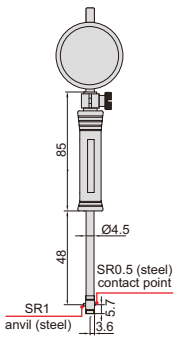


Code	Range	Accuracy	Setting ring	Extension rod (included)	Price(₹)
3128-70 *	50-70mm/1.97-2.76"	5μm	Ø50mm(included)	150mm	31555
3128-100 *	70-100mm/2.76-3.94"	5μm	Ø70mm(included)	150mm	42014
3128-150 *	100-150mm/3.94-5.91"	6μm	Ø100mm(included)	150mm	70179
3128-250 *	150-250mm/5.91-9.84"	8μm	Ø150mm(included)	150mm	141433
3128-300 *	200-300mm/7.87-11.81"	9μm	Ø200mm**(optional)**	150mm	197302

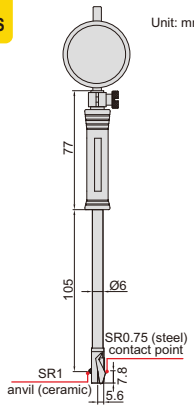
*Supplied with manufacturer inspection certificate

BORE GAGES FOR SMALL HOLES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



6-10mm



10-18.5mm

2852-10

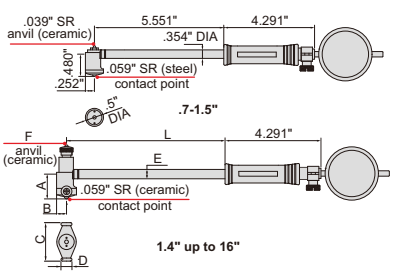
- Repeatability: 0.003mm
- Optional accessory: setting ring (code **6312**)

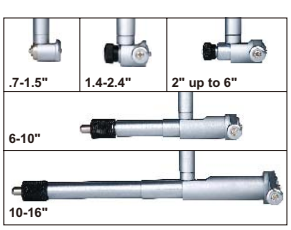
With dial indicator

Code	Range	Indicator	Accuracy	Price(₹)
2852-10	6-10mm	dial indicator, range 3mm, graduation 0.01mm (code **2311-3F**)	±0.012mm	8369
2852-18	10-18.5mm		±0.012mm	7549

BORE GAGES (INCH)

ATTENTION: NOT SUITABLE FOR .00005" OR .0001" DIAL INDICATORS





Range	A	B	C	D	E	F	L
1.4-2.4"	.866"	.354"	1.063"	.512" DIA	.504" DIA	.079" R	5.551"
2-6"	1.024"	.354"	1.378"	.512" DIA	.504" DIA	.079" R	5.551"
6-10"	2.224"	.512"	2.933"	.591" DIA	.504" DIA	.079" R	9.488"
10-16"	3.406"	.591"	3.996"	.591" DIA	.571" DIA	.098" R	9.488"

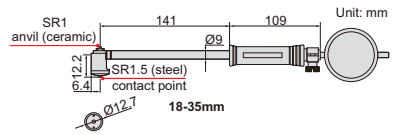
- Optional accessory: setting ring (code **6313**) , long handle (code **7351**)

With dial indicator

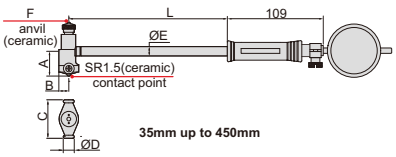
Code	Range	Indicator	Accuracy	Repeatability	Price(₹)
2323-15	.7-1.5"	dial indicator, range .25", graduation .0005"	±.00075"	.00015"	6811
2323-24	1.4-2.4"		±.0009"	.00015"	6646
2323-6	2-6"		±.0009"	.00015"	7008
2323-10	6-10"		±.0009"	.00015"	8888
2323-16	10-16"		±.0009"	.00015"	10087

BORE GAGES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



18-35mm



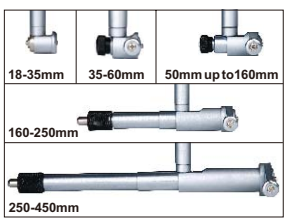
35mm up to 450mm

(mm)

Range	A	B	C	ØD	ØE	F	L
35-60mm	22	9	27	13	12.8	SR2	141
50-100mm	26	9	35	13	12.8	SR2	141
50-160mm	26	9	35	13	12.8	SR2	141
100-160mm	26	9	35	13	12.8	SR2	141
160-250mm	56.5	13	74.5	15	12.8	SR2	241
250-450mm	86.5	15	101.5	15	14.5	SR2.5	241

2322-35A

ceramic anvil



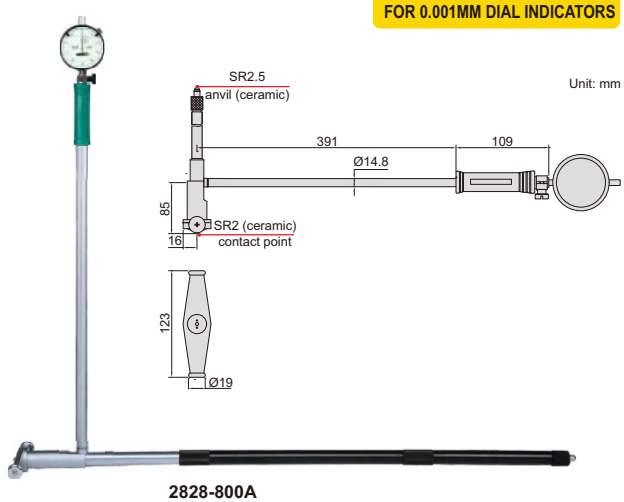
- Repeatability: 0.003mm
- Optional accessory: setting ring (code **6312**), long handle (code **7351**)

With dial indicator

Code	Range	Indicator	Accuracy	Price(₹)
2322-35A	18-35mm	dial indicator, range 10mm, graduation 0.01mm (code **2308-10FA**)	±0.015mm	6181
2322-60A	35-60mm		±0.018mm	6174
2322-100A	50-100mm		±0.018mm	6719
2322-160A	50-160mm		±0.018mm	6417
2322-161A	100-160mm		±0.018mm	6779
2322-250A	160-250mm		±0.018mm	8865
2322-450A	250-450mm		±0.018mm	10079

BORE GAGE

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



2828-800A

- Accuracy: ±0.025mm
- Repeatability: 0.003mm

Code	Range	Indicator	Price(₹)
2828-800A	400-800mm	dial indicator, code **2308-10FA**, range 10mm, graduation 0.01mm	12129

BORE GAGE SETS

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

- Repeatability: 0.003mm
- Optional accessory: setting ring (code **6312**)

packaging (code **2824-S3**)

2824-S160 **2824-S3**

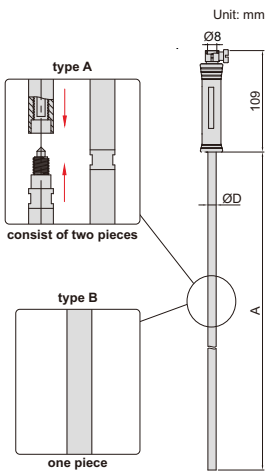
Code	Range	Indicator	Bore gages included	Accuracy	Price(₹)
2824-S160	35-160mm	dial indicator, code **2308-10FA**, range 10mm, graduation 0.01mm	① 35-50mm (dial indicator and handle are not included) ② 50-160mm	35-50mm ±0.018mm 50-160mm ±0.018mm	9326
2824-S3	18-160mm	dial indicator, code **2308-10FA**, range 10mm, graduation 0.01mm	① 18-35mm ② 35-60mm (dial indicator is not included) ③ 50-160mm (dial indicator is not included)	18-35mm ±0.015mm 35-60mm ±0.018mm 50-160mm ±0.018mm	17636

LONG HANDLES

- To assist deep-hole measurement
- Can be used for bore gages **2322** and **2122**

7351-EX11

Unit: mm



(mm)

Code	Applicable bore gages	A	ØD	Type	Price(₹)
7351-EX11	35-60mm, 50-100mm, 50-160mm, 100-160mm	475	13	B	6172
7351-EX12		980	13		7557
7351-EX13		1480	14.5	A	9499
7351-EX14		1980	14.5		10158
7351-EX21	160-250mm, 250-450mm	480	14.5	B	6542
7351-EX22		980	14.5		7926
7351-EX23		1480	14.5	A	10158
7351-EX24		1980	14.5		10817

ANVIL FOR BORE GAGES

7350-160

- For **2852**, **2152**, **2322**, **2122**, **2824**, **2827**

Code	Applicable bore gages	Material of measuring face	Quantity per set	Measuring range of anvil (mm)	Price(₹)
7350-10	6-10mm	steel	9pcs	6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10	1340
7350-18	10-18.5mm	ceramic	9pcs	10, 11, 12, 13, 14, 15, 16, 17, 18	982
7350-35	18-35mm	ceramic	9pcs	18, 20, 22, 24, 26, 28, 30, 32, 34	959
7350-60	35-60mm	ceramic	6pcs	35, 40, 45, 50, 55, 60	724
7350-160	50-160mm	ceramic	12pcs	50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105	1544
7350-250	160-250mm	ceramic	5pcs	160, 170, 180, 190, 200	1076
7350-450	250-450mm	ceramic	5pcs	250, 260, 270, 280, 290	1076

BORE GAGE SETTER (WITH GAGE BLOCKS)

gage blocks (included)

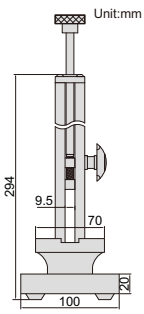
- Vertical and horizontal use
- To be used with gage blocks
- Gage blocks are included, meet ISO3650, grade 2

Code	Range	Repeatability	Price(₹)
7353-160	0-160mm	1.2μm	24461

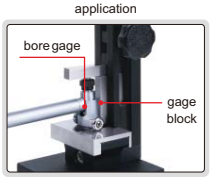
Blocks per set	Size (mm)	Step (mm)	Quantity (pcs)
33	1.005		1
	1.01-1.09	0.01	9
	1.1-1.9	0.1	9
	1-9	1	9
	10-30	10	3
	50		1
	100		1

7353-160

Unit:mm

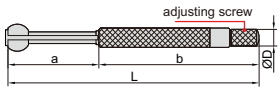


application

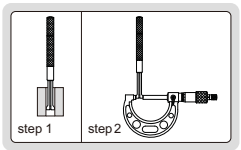


horizontal use

SMALL HOLE GAGE SET



4208-1

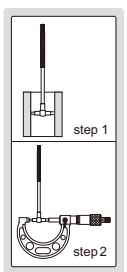


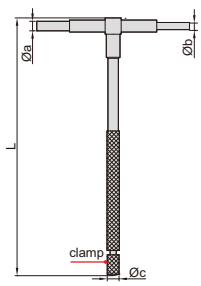
Range	L	a	b	ØD
3-5mm	76mm	24mm	52mm	5mm
5-7.5mm	79mm	27mm	52mm	5mm
7.5-10mm	88mm	30mm	58mm	6mm
10-13mm	91mm	34mm	58mm	6mm

- 4 gages per set
- For small holes, slots and grooves, etc.
- Satin chrome finish

Code	Total range	Gages included	Price(₹)
4208-1	3-13mm	3-5mm, 5-7.5mm, 7.5-10mm, 10-13mm	1044

TELESCOPING GAGE SET





4206-1

Range	L	Øa	Øb	Øc
8-12.7mm	115mm	3.9mm	2.9mm	6.2mm
12.7-19mm	115mm	5.3mm	3.8mm	6.2mm
19-32mm	115mm	5.3mm	3.8mm	6.2mm
32-54mm	137mm	7.6mm	6.1mm	7.2mm
54-90mm	137mm	7.6mm	6.1mm	7.2mm
90-150mm	137mm	7.6mm	6.1mm	7.2mm

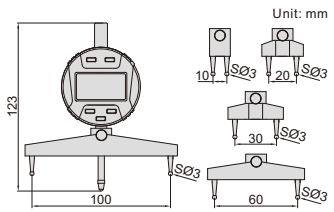
- 6 gages per set
- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish

Code	Total range	Gages included	Price(₹)
4206-1	8-150mm	8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm	1572

DIGITAL RADIUS GAGE

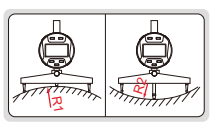
ATTENTION: NO DATA OUTPUT

VIDEO



2183

- Resolution: 0.005mm/0.00005"
- Buttons: on/off, hold, mm/inch, s (select jaws), zero
- Measure radius of internal or external arcs
- Display can be rotated by 320°
- Supplied with 5 jaws for different sizes of arc
- Battery CR2032, automatic power off

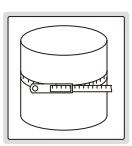


Code	Range of external radius (R1)	Range of internal radius (R2)	Accuracy (mm)	Price(₹)
2183	5-910mm/0.2-35.83"	7-910mm/0.3-35.83"	±0.01R*	16598

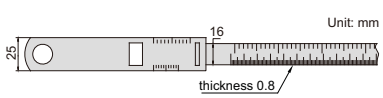
*R is the radius to be measured

CIRCUMFERENCE GAGES

ATTENTION: BASIC MODEL



7114-950

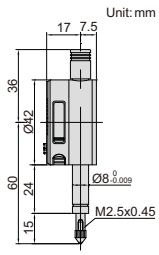


- Graduation: 0.1mm
- Measure diameter and circumference of pipes, trees, tires, etc.
- Laser engraved scale
- Made of stainless steel

Code	Circumference range	Diameter range	Accuracy		Price (₹)
			Circumference	Diameter	
7114-950	150-950mm	Ø50-300mm	±1.5mm	±0.5mm	721
7114-2200	940-2200mm	Ø300-700mm	±1.5mm	±0.5mm	891
7114-3460	2190-3460mm	Ø700-1100mm	±1.5mm	±0.5mm	1212

COMPACT DIGITAL INDICATORS

2114-5F



- Button function:
  in/mm: short press for inch/metric conversion
  long press to change measuring direction
  ABS: short press for absolute/incremental measurement
  long press to preset data
  0/ON: short press to turn on when power is off
  short press to set zero when power is on
  long press to turn off
- Keep preset data in memory after restart
- CR1632 battery, automatic power off
- Data output
- Optional accessory: data output cable (code **7306-40**, **7302-SPC3A**, **7305-SPC1A**, **7305-C01**), contact points

INSPECTION CERTIFICATE
TRACEABLE TO NIST

DATA OUTPUT

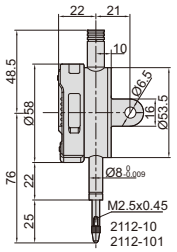
Code	Range	Resolution	Accuracy	Hysteresis	Remark	Price(₹)
2114-5F*	5mm/0.2"	0.01mm/0.0005"	20μm	10μm	flat back	4358
2114-51F*	5mm/0.2"	0.001mm/0.00005"	5μm	2μm	flat back	10492

*Supplied with manufacturer inspection certificate traceable to NIST USA

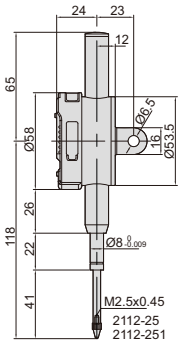
DIGITAL INDICATORS (STANDARD MODEL)

INSPECTION CERTIFICATE TRACEABLE TO NIST

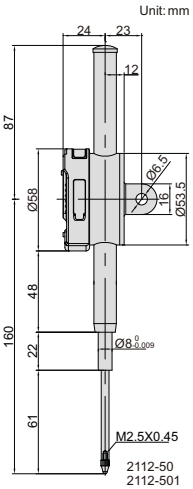
DATA OUTPUT



2112-101



2112-251



2112-501

Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2112-101*	12.7mm/0.5"	5μm	2μm	lug back	9058
2112-251*	25.4mm/1"	5μm	3μm	lug back	10384
2112-501*	50.8mm/2"	6μm	3μm	lug back	19168
2112-101F*	12.7mm/0.5"	5μm	2μm	flat back	8975

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2112-10*	12.7mm/0.5"	20μm	10μm	lug back	3728
2112-25*	25.4mm/1"	20μm	10μm	lug back	5111
2112-50*	50.8mm/2"	30μm	10μm	lug back	11969
2112-10F*	12.7mm/0.5"	20μm	10μm	flat back	3648

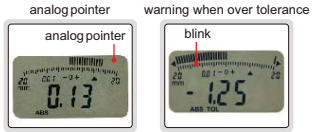
*Supplied with manufacturer inspection certificate traceable to NIST USA

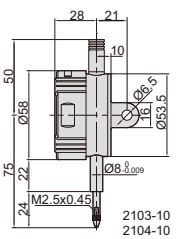
- Button function: on/off, inch/mm, zero
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code **7306-40, 7302-SPC3A, 7305-SPC1A**, **7305-C01**), backs, contact points

DIGITAL INDICATORS (ADVANCED MODEL)

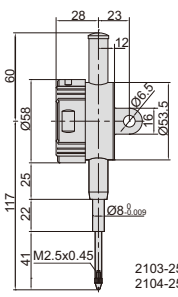
INSPECTION CERTIFICATE TRACEABLE TO NIST

DATA OUTPUT

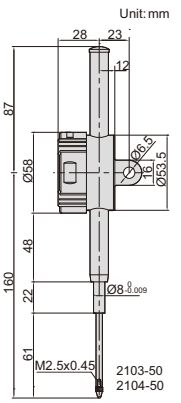




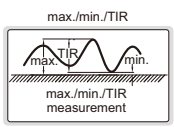
2103-10



2104-25



2103-50



VIDEO

- Reading in digital and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code **7306-40, 7302-SPC3A, 7305-SPC1A**, **7305-C01**), backs, contact points

Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2103-10*	12.7mm/0.5"	5μm	2μm	lug back	11946
2103-25*	25.4mm/1"	5μm	3μm	lug back	13561
2103-50*	50.8mm/2"	6μm	3μm	lug back	21697

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2104-10*	12.7mm/0.5"	20μm	10μm	lug back	5566
2104-25*	25.4mm/1"	20μm	10μm	lug back	7163

*Supplied with manufacturer inspection certificate traceable to NIST USA

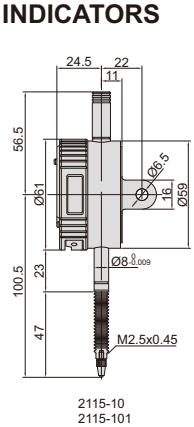
WATERPROOF DIGITAL INDICATORS

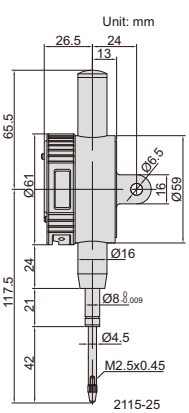
WATERPROOF

DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO NIST

2115-10





- Dust/waterproof
- With lug back
- Button function: on/off, zero, mm/inch
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code **7306-40, 7302-SPC3A, 7305-SPC1A**, **7305-C01**), backs, contact points

spindle lift knob is included (except **2115-101, 2115-10**)

Resolution 0.001mm/0.00005"

Code	Range	Dust/waterproof	Accuracy	Hysteresis	Price(₹)
2115-101*	12.7mm/0.5"	IP65	5μm	2μm	11611
2115-251*	25.4mm/1"	IP54	5μm	3μm	14998

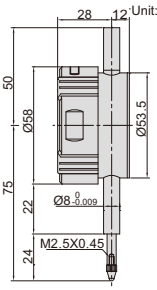
Resolution 0.01mm/0.0005"

Code	Range	Dust/waterproof	Accuracy	Hysteresis	Price(₹)
2115-10*	12.7mm/0.5"	IP65	20μm	10μm	5081
2115-25*	25.4mm/1"	IP54	20μm	10μm	6837

*Supplied with manufacturer inspection certificate traceable to NIST USA

- Sizes available up to 50.8mm

DIGITAL INDICATOR FOR BORE GAGE



2108-10F

- Specially designed for bore gages
- The minimum value tracking function can find the diameter automatically
- Read the diameter directly, after imputing the size of setting ring
- Reading in digital and analog
- Display can be rotated by 320º
- Button function: minimum value tracking, calibration, data preset, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off, data output
- Optional accessory: data output cable (code **7306-40**, **7302-SPC3A**, **7305-SPC1A**, **7305-C01**), backs, contact points

DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO NIST

Code	Range	Resolution	Accuracy	Hysteresis	Remark	Price(₹)
2108-10F*	12.7mm/0.5"	0.002mm/0.0001"	20μm	10μm	flat back	7723

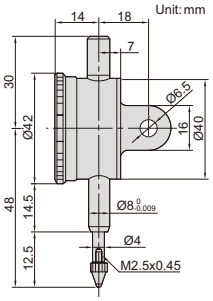
*Supplied with manufacturer inspection certificate traceable to NIST USA

COMPACT DIAL INDICATOR

INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

2311-5



- Graduation: 0.01mm
- Meet DIN878
- Jeweled bearing
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Dial reading	Price(₹)
2311-5*	5mm	14μm	3μm	0.5mm	0-50	2029

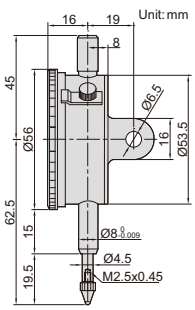
*Supplied with manufacturer inspection certificate traceable to NIST USA

PRECISION DIAL INDICATOR

INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

2313-1A



- Graduation: 0.001mm
- Jeweled bearing
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Dial reading	Price(₹)
2313-1A*	1mm	5μm	2μm	0.2mm	0-100-0	4493

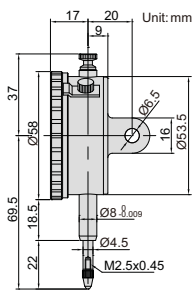
*Supplied with manufacturer inspection certificate traceable to NIST USA
- Sizes available up to 2mm

DIAL INDICATOR (PROMOTION MODEL)

INSPECTION CERTIFICATE TRACEABLE TO NIST

carton box

2301-10



- Range: 10mm
- Graduation: 0.01mm
- Dial reading: 0-100
- Meet DIN878
- Jeweled bearing
- Supplied with limit hands and bezel clamp
- Packed in carton box
- Optional accessory: backs, contact points

Code	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2301-10*	17μm	3μm	1mm	lug back with spare flat back	1311

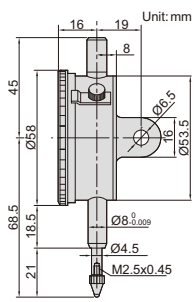
*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATORS (STANDARD MODEL)

JEWELED BEARING

INSPECTION CERTIFICATE TRACEABLE TO NIST

2308-10A



- Graduation: 0.01mm
- Dial reading: 0-100
- Meet DIN878
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

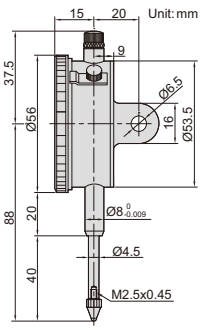
Code	Range	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2308-10A*	10mm	17μm	3μm	1mm	lug back	1379
2308-10FA*	10mm	17μm	3μm	1mm	flat back	1422

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR (LONG STROKE)

INSPECTION CERTIFICATE TRACEABLE TO NIST

2310-30A



- Graduation: 0.01mm
- Dial reading: 0-100
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Price(₹)
2310-30A*	30mm	35μm	7μm	1mm	3409

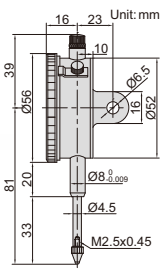
*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR (LONG STROKE)

INSPECTION CERTIFICATE TRACEABLE TO NIST

carton box

2302-25



- Range: 25mm
- Graduation: 0.01mm
- Dial reading: 0-100
- Supplied with limit pointers and bezel clamp
- Packed in carton box
- Optional accessory: backs, contact points

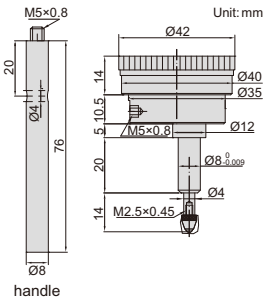
Code	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2302-25*	35μm	7μm	1mm	lug back with spare flat back	2497

*Supplied with manufacturer inspection certificate traceable to NIST USA

BACK PLUNGER TYPE DIAL INDICATOR

INSPECTION CERTIFICATE TRACEABLE TO NIST

2357-5



- Graduation: 0.01mm
- Dial reading: 0-100
- Supplied with handle
- With limit pointers
- Optional accessory: contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Price(₹)
2357-5*	5mm	15μm	5μm	1mm	4495

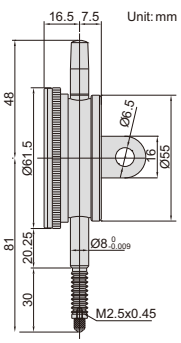
*Supplied with manufacturer inspection certificate traceable to NIST USA

WATERPROOF DIAL INDICATORS

IP54 WATERPROOF

INSPECTION CERTIFICATE TRACEABLE TO NIST

2324-10A



- Graduation: 0.01mm
- Dial reading: 0-100
- Meet DIN878
- IP54 dust/waterproof
- With limit pointers
- Optional accessory: back, contact points

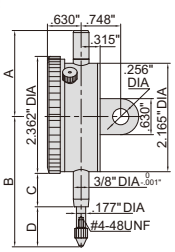
Code	Range	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2324-10A*	10mm	17μm	3μm	1mm	lug back	2890
2324-10FA*	10mm	17μm	3μm	1mm	flat back	2875

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATORS (INCH)

INSPECTION CERTIFICATE TRACEABLE TO NIST

2307-1



Range	A	B	C	D
.5"	1.811"	2.953"	.787"	.984"
1"	1.811"	3.346"	.787"	1.378"
2"	4.370"	5.472"	1.969"	2.323"

- Meet ASME B89.1.10M-2001
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Code	Range	Graduation	Accuracy		Range /rev	Dial reading	Price(₹)
			First 2.5 rev	Overall			
2307-05*	.5"	.001"	±.001"	±.002"	.1"	0-100	1326
2307-1*	1"	.001"	±.001"	±.002"	.1"	0-100	1263
2307-2*	2"	.001"	±.001"	±.004"	.1"	0-100	2949

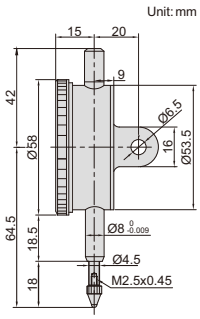
*Supplied with manufacturer inspection certificate traceable to NIST USA

ONE REVOLUTION DIAL INDICATORS

SHOCK PROOF

INSPECTION CERTIFICATE TRACEABLE TO NIST

2316-05



- Meet DIN878
- Graduation: 0.01mm
- Eliminate the possibility of reading errors due to miscounting
- Shockproof
- Supplied with limit pointers
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Dial reading	Remark	Price(₹)
2316-05F*	0.5mm	9μm	3μm	25-0-25	flat back	2875
2316-1F*	1mm	9μm	3μm	50-0-50	flat back	2939
2316-05*	0.5mm	9μm	3μm	25-0-25	lug back	2879
2316-1*	1mm	9μm	3μm	50-0-50	lug back	2942

*Supplied with manufacturer inspection certificate traceable to NIST USA

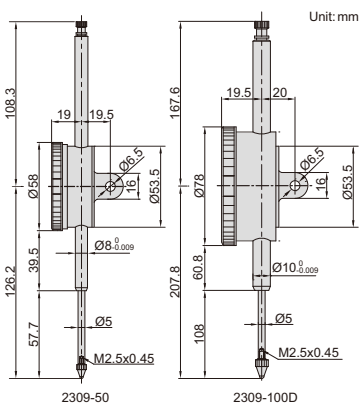
DIAL INDICATOR (LONG STROKE)

INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

SHOCK PROOF

2309-50



- Graduation: 0.01mm
- Range/rev: 1mm
- Dial reading: 0-100
- Shockproof
- Jeweled bearing
- Supplied with limit pointers
- Flat back with spare lug back
- Optional accessory: backs, contact points

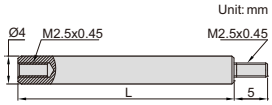
Code	Range	Accuracy	Hysteresis	Price(₹)
2309-50*	50mm	40μm	8μm	6363
2309-100D	100mm	50μm	9μm	16372

*Supplied with manufacturer inspection certificate traceable to NIST USA

Note: 1) **2309-100D** can only be used vertically
2) **2309-100D** is supplied with stem clamp Ø10mm for magnetic stands (code **6200-60**, **6201-60**, **6202-80**, **6202-100**)

EXTENSION RODS

6282-2001



(mm)

Code	Material	L	Price(₹)
6282-2001	steel	10	122
6282-2003	steel	20	142
6282-2005	steel	30	153

(mm)

Code	Material	L	Price(₹)
6282-2009	steel	50	169
6282-2017	steel	100	260

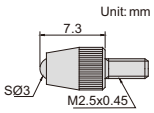
CONTACT POINTS

BALL POINT

Code	Material of measuring face	Price (₹)
6282-0101	carbide	205

6282-0101

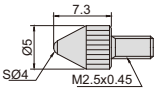
Unit: mm



BALL POINT

Code	Material of measuring face	Price (₹)
6282-0305	carbide	191

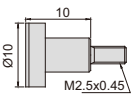
6282-0305



FLAT POINT

Code	Material of measuring face	Price (₹)
6282-1201	steel	884

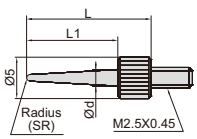
6282-1201



6282-1601

NEEDLE POINTS (mm)

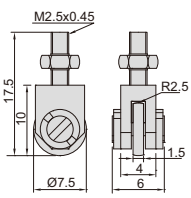
Code	Material of measuring face	L1	L	SR	Ød	Price (₹)
6282-1601	steel	11	15	0.4	2	312
6282-1602	steel	13	17	0.2	2	333
6282-1604	steel	31	35	0.4	3	524



ROLLER POINT

Code	Material of measuring face	Price (₹)
6282-1901	steel	4083

6282-1901



DIAL TEST INDICATORS

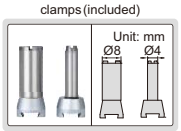
JEWELED BEARING

INSPECTION CERTIFICATE TRACEABLE TO NIST

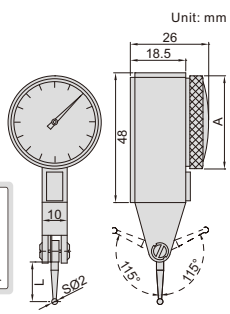
2380-08

- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

clamps (included)



Unit: mm



Graduation: 0.01mm (mm)

Code	Range	Accuracy	Hysteresis	Dial reading	A	L	Price(₹)
2380-08*	0.8mm	13μm	3μm	0-40-0	Ø30	13.5	2493
2381-08*	0.8mm	13μm	3μm	0-40-0	Ø37	13.5	2726

Graduation: 0.002mm (mm)

Code	Range	Accuracy	Hysteresis	Dial reading	A	L	Price(₹)
2380-02*	0.2mm	6μm	2μm	0-100-0	Ø30	12.5	4495
2381-02*	0.2mm	6μm	2μm	0-100-0	Ø37	12.5	4681

Code	Graduation	Range	Accuracy	Dial reading	A	L	Price(₹)
2380-31*	.001"	.03"	±.001"	0-15-0	1.181" DIA	.50"	2968
2380-35*	.0005"	.03"	±.0005"	0-15-0	1.181" DIA	.50"	3476

*Supplied with manufacturer inspection certificate traceable to NIST USA

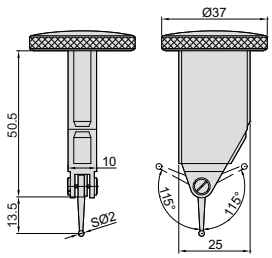
BACK PLUNGER TYPE DIAL TEST INDICATOR

INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

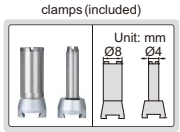
2398-08

Unit: mm



- Meet DIN2270
- Graduation: 0.01mm
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

clamps (included)



Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2398-08*	0.8mm	13μm	3μm	0-40-0	3761

*Supplied with manufacturer inspection certificate traceable to NIST USA

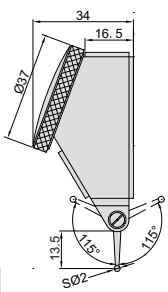
TILTED FACE TYPE DIAL TEST INDICATOR

INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

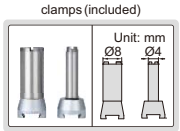
2399-08

Unit: mm



- Meet DIN2270
- Graduation: 0.01mm
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

clamps (included)



Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2399-08*	0.8mm	13μm	3μm	0-40-0	3761

*Supplied with manufacturer inspection certificate traceable to NIST USA

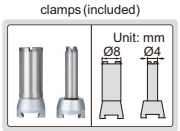
LONG STYLI DIAL TEST INDICATOR

INSPECTION CERTIFICATE TRACEABLE TO NIST

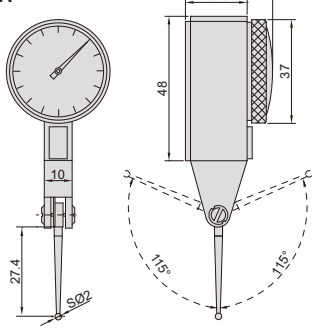
JEWELED BEARING

2383-08A

clamps (included)



Unit: mm



- Meet DIN2270
- Graduation: 0.01mm
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2383-08A*	0.8mm	13μm	3μm	0-40-0	5042

*Supplied with manufacturer inspection certificate traceable to NIST USA

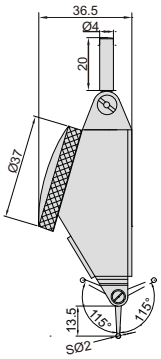
LARGE RANGE DIAL TEST INDICATOR

INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

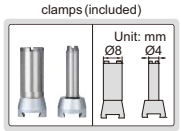
2386-16A

Unit: mm



- Graduation: 0.01mm
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

clamps (included)



Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2386-16A*	1.6mm	25μm	8μm	0-40-0	5986

*Supplied with manufacturer inspection certificate traceable to NIST USA

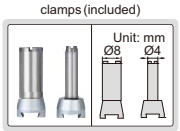
LARGE RANGE BACK PLUNGER TYPE DIAL TEST INDICATOR

JEWELED BEARING

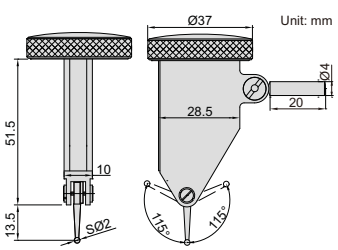
INSPECTION CERTIFICATE TRACEABLE TO NIST

2480-16

clamps (included)



Unit: mm



- Dial reading: 0-40-0
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

Code	Range	Graduation	Accuracy	Hysteresis	Price(₹)
2480-16*	1.6mm	0.01mm	18μm	3μm	6742

*Supplied with manufacturer inspection certificate traceable to NIST USA

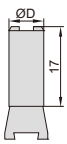
CLAMPS FOR DIAL TEST INDICATORS

Code	ØD	Price(₹)
6298-1	Ø4mm	234
6298-2	Ø8mm	255

6298-1

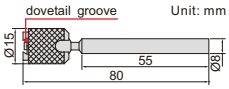
6298-2

Unit: mm



DIAL TEST INDICATOR UNIVERSAL HOLDER

6297-1

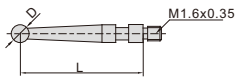


Code	Price(₹)
6297-1	750

- Set the indicators at the desired attitude to the workpiece

STYLI FOR DIAL TEST INDICATORS

6284-3



(mm)

Code	For dial test indicator	Material of contact point	L	D	Price(₹)
6284-1	2380-08, 2398-08 2381-08, 2399-08	steel	13.5	SØ1	220
6284-3		carbide	13.5	SØ2	306
6284-4		ruby	13.5	SØ2	325
6284-8		carbide	13.5	SØ3	349
6284-21	2380-02 2381-02	steel	12.5	SØ1	244
6284-22		carbide	12.5	SØ2	305
6284-23		carbide	12.5	SØ3	305
6284-44	2880-02 2880-02R 2895-08 2897-02 2898-08	carbide	11.7	SØ0.4	4276
6284-41		carbide	11.7	SØ1	1869
6284-42		carbide	11.7	SØ2	1203
6284-45		ruby	11.7	SØ2	2633
6284-43		carbide	11.7	SØ3	1869
6284-51	2896-05 2899-05	carbide	34.6	SØ1	1869
6284-52		carbide	34.6	SØ2	1869
6284-55		ruby	34.6	SØ2	2633
6284-53		carbide	34.6	SØ3	1869
6284-61	2386-16A	steel	13.5	SØ1	246
6284-62		carbide	13.5	SØ2	246
6284-63		ruby	13.5	SØ2	348
6284-64		carbide	13.5	SØ3	348
6284-71	2391-08	carbide	10.8	SØ2	298
6284-81	2383-08A	steel	27.4	SØ1	222
6284-82		carbide	27.4	SØ2	222
6284-83		ruby	27.4	SØ2	325
6284-84		carbide	27.4	SØ3	325

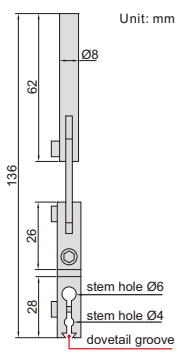
DIAL TEST INDICATOR HOLDER

6296-1

- Supplied with fixing spanner

Code	Price(₹)
6296-1	850

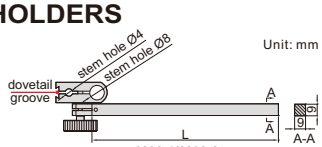
Unit: mm



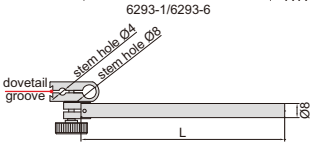
DIAL TEST INDICATOR HOLDERS

6293-1

Unit: mm



6293-2



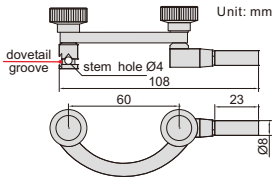
Code	Stem section	Stem length (L)	Price(₹)
6293-1	9x9mm	100mm	654
6293-6	9x9mm	50mm	768
6293-2	Ø8mm	115mm	750

DIAL TEST INDICATOR CENTERING HOLDER

Code	Price(₹)
6291-1	734

- Center cylinders or holes on machine tools

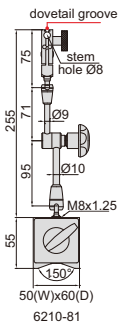
6291-1



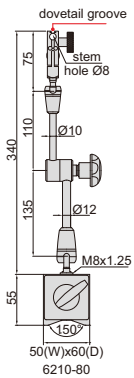
UNIVERSAL MAGNETIC STANDS (HEAVY DUTY)

- For digital/dial indicators and dial test indicators

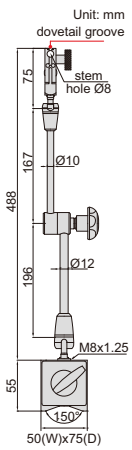
6210-81



6210-80



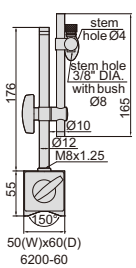
6210-100



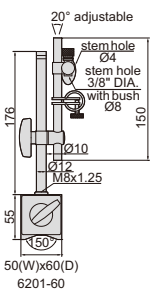
Code	Magnetic force	Applicable holding stem	Remark	Price(₹)
6210-81	80kgf	Ø8mm	with fine adjustment and dovetail groove	4430
6210-80	80kgf	Ø8mm	with fine adjustment and dovetail groove	4569
6210-100	100kgf	Ø8mm	with fine adjustment and dovetail groove	6922

MAGNETIC STANDS

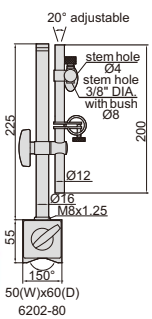
6200-60



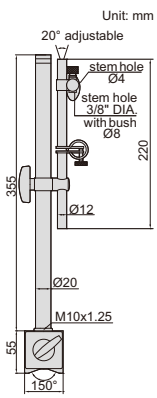
6201-60



6202-80



6202-100



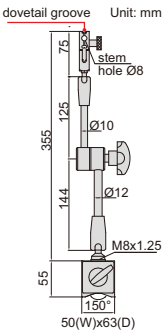
- For digital/dial indicators and dial test indicators

Code	Magnetic force	Applicable holding stem	Remark	Price(₹)
6200-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	without fine adjustment	1034
6201-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	958
6202-80	80kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	1870
6202-100	100kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	2668

UNIVERSAL MAGNETIC STAND (LIGHT DUTY)

ATTENTION: LOW LOCKING FORCE

- Magnetic force: 80kgf
- Applicable holding stem: Ø8mm
- For digital/dial indicators and dial test indicators



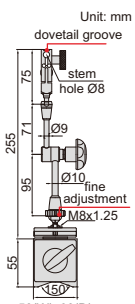
6208-80A

Code	Remark	Price(₹)
6208-80A	with fine adjustment and dovetail groove	2432

MAGNETIC STAND WITH DOUBLE FINE ADJUSTMENT

- Applicable holding stem: Ø8mm
- Magnetic force: 80kgf
- With double fine adjustments on the head and on the base
- For digital/dial indicators and dial test indicators

6272-80



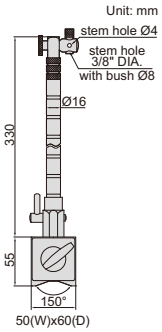
Code	Remark	Price(₹)
6272-80	with double fine adjustment and dovetail groove	4702

FLEX ARM MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY

- For dial test indicators

6207-80A



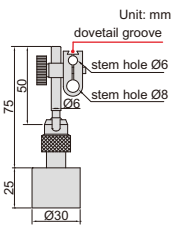
Code	Magnetic force	Applicable holding stem	Price(₹)
6207-80A	80kgf	Ø8mm, Ø4mm, 3/8" DIA.	2034

MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY

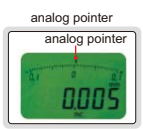
- For dial test indicators
- With dovetail groove

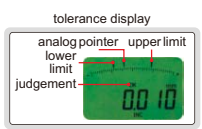
6211-10



Code	Magnetic force	Applicable holding stem	Price(₹)
6211-10	10kgf	Ø6mm, Ø8mm	1821

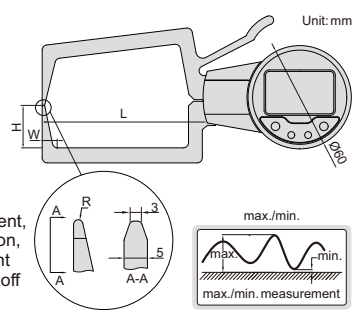
DIGITAL EXTERNAL CALIPER GAGES





2131-21

- Repeatability: 0.01mm
- Reading in digit and analog
- Display can be rotated by 170°
- Button function:
  tolerance Go and No-Go display, data preset, max./min. measurement, data holding, inch/metric conversion, absolute/incremental measurement
- CR2032 battery, automatic power off
- Data output



(mm)

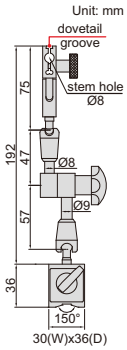
Code	Range	Accuracy	L	H	W	R	Price(₹)
2131-21	0-20mm/0-0.8"	±0.03mm	80	25	6.5	R0.5	10721
2131-31	10-30mm/0.4-1.2"	±0.03mm	80	25	6.5	R0.5	11824
2131-41	20-40mm/0.8-1.6"	±0.03mm	80	25	6.5	R0.5	11824
2131-51	30-50mm/1.2-2.0"	±0.03mm	80	25	6.5	R0.5	11824
2131-61	40-60mm/1.6-2.4"	±0.03mm	80	25	6.5	R0.5	12321

MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY

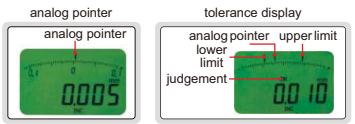
- Magnetic force: 40kgf
- For dial test indicators
- With fine adjustment and dovetail groove

6224-40

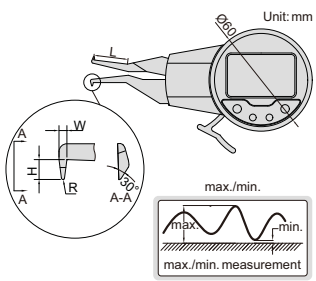


Code	Applicable holding stem	Price(₹)
6224-40	Ø8mm	4236

DIGITAL INTERNAL CALIPER GAGES



2121-15



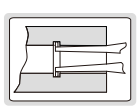
- Repeatability: 0.01mm
- Reading in digit and analog
- Display can be rotated by 170°
- Button function:
  tolerance Go and No-Go display, data preset, max./min. measurement, data holding, inch/metric conversion, absolute/incremental measurement
- CR2032 battery, automatic power off
- Data output

(mm)

Code	Range	Accuracy	L	H	W	R	Price(₹)
2121-15	5-15mm/0.2-0.6"	±0.03mm	20	2	1.5	R0.3	9894
2121-25	5-25mm/0.2-1.0"	±0.03mm	35	1.5	1.0	R0.3	10721
2121-31	10-30mm/0.4-1.2"	±0.03mm	55	5.5	2.5	R0.5	11824
2121-41	20-40mm/0.8-1.6"	±0.03mm	80	6.0	3.0	R0.5	11824
2121-51	30-50mm/1.2-2.0"	±0.03mm	80	8.0	3.0	R0.5	11824
2121-61	40-60mm/1.6-2.4"	±0.03mm	80	8.0	3.0	R0.5	12321

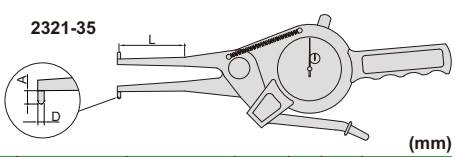
INTERNAL DIAL CALIPER GAGES

VIDEO



2321-35

- Carbide measuring tips

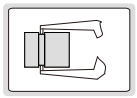


(mm)

Code	Range	Graduation	Accuracy	L	A	D	Price(₹)
2321-35	15-35mm	0.01mm	±0.04mm	50	3	Ø3	7969
2321-AL35	15-35mm	0.01mm	±0.04mm	200	3	Ø3	19944
2321-55	35-55mm	0.01mm	±0.04mm	80	6	Ø3	7969
2321-AL55	35-55mm	0.01mm	±0.04mm	250	8	Ø3	19944
2321-75	55-75mm	0.01mm	±0.04mm	90	8	Ø3	8143
2321-AL75	55-75mm	0.01mm	±0.04mm	250	8	Ø3	19944
2321-95	75-95mm	0.01mm	±0.04mm	100	8	Ø3	8317

Sizes available up to 135mm

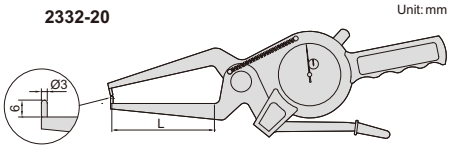
EXTERNAL DIAL CALIPER GAGES



2332-20

VIDEO

Unit: mm



- Carbide measuring tips

Code	Range	Graduation	Accuracy	L(mm)	Price(₹)
2332-20	0-20mm	0.01mm	±0.04mm	60	7969
2332-40	20-40mm	0.01mm	±0.04mm	60	7969
2332-60	40-60mm	0.01mm	±0.04mm	55	7969

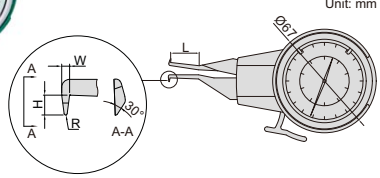
Sizes available up to 100mm

INTERNAL DIAL CALIPER GAGES

VIDEO

2222-15

Unit: mm



(mm)

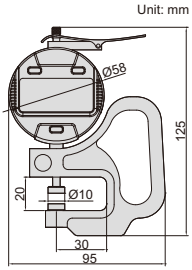
Code	Range	Graduation	Accuracy	L	H	W	R	Price(₹)
2222-15	5-15mm	0.01mm	±0.03mm	20	2	1.5	R0.3	9474
2222-25	5-25mm	0.01mm	±0.03mm	35	1.5	1.0	R0.3	10275
2222-301	10-30mm	0.01mm	±0.03mm	55	5.5	2.5	R0.5	11343
2222-401	20-40mm	0.01mm	±0.03mm	80	6.0	3.0	R0.5	11343
2222-501	30-50mm	0.01mm	±0.03mm	80	8.0	3.0	R0.5	11343
2222-60	40-60mm	0.01mm	±0.03mm	80	8.0	3.0	R0.5	11819

DIGITAL THICKNESS GAGES

DATA OUTPUT

2871-101

Unit: mm



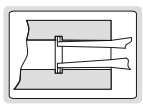
- Ceramic spindle tip and anvil
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off
- Data output
- Optional accessory: data output cable (code **7306-40, 7302-SPC3A, 7305-SPC1A, 7305-C01**)

Code	Range	Resolution	Accuracy	Price(₹)
2871-10	0-10mm/0-0.4"	0.01mm/0.0005"	±0.02mm	5487
2871-101	0-10mm/0-0.4"	0.001mm/0.00005"	±0.005mm	11896

DIGITAL INTERNAL CALIPER GAGE

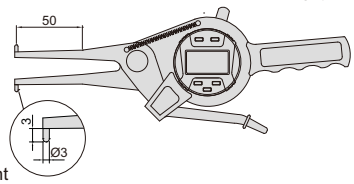
DATA OUTPUT

VIDEO



2151-35

Unit: mm



- Carbide measuring tips
- Reading in digit and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code **7306-40, 7302-SPC3A, 7305-SPC1A, 7305-C01**)

Code	Range	Resolution	Accuracy	Price(₹)
2151-35	15-35mm/0.6-1.4"	0.01mm/0.0005"	±0.04mm	11063

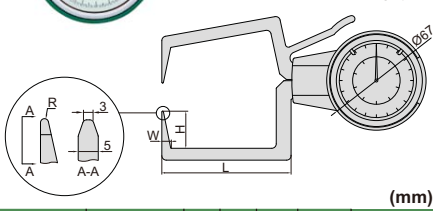
Sizes available up to 135mm

EXTERNAL DIAL CALIPER GAGES

VIDEO

2333-201

Unit: mm



(mm)

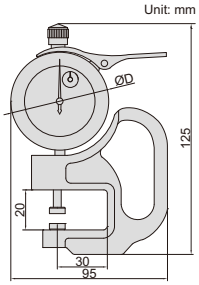
Code	Range	Graduation	Accuracy	L	H	W	R	Price(₹)
2333-201	0-20mm	0.01mm	±0.03mm	80	25	6.5	R0.5	10275
2333-301	10-30mm	0.01mm	±0.03mm	80	25	6.5	R0.5	11343
2333-401	20-40mm	0.01mm	±0.03mm	80	25	6.5	R0.5	11343
2333-501	30-50mm	0.01mm	±0.03mm	80	25	6.5	R0.5	11343
2333-601	40-60mm	0.01mm	±0.03mm	80	25	6.5	R0.5	11819

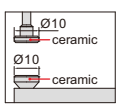
THICKNESS GAGES

Unit: mm

2364-10

2364-1

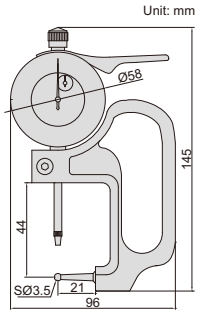




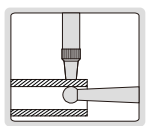
Code	Range	Graduation	Accuracy	ØD	Price(₹)
2364-10	0-10mm	0.01mm	±0.02mm	58mm	3179
2364-1	0-1mm	0.001mm	±0.005mm	56mm	5909

TUBE THICKNESS GAGE

2367-10A



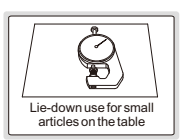
- Measure tube wall thickness



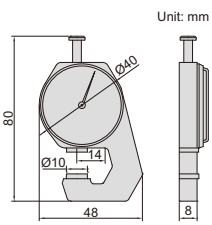
Code	Range	Graduation	Accuracy	Price(₹)
2367-10A	0-10mm	0.01mm	±0.02mm	7238

THICKNESS GAGE

SUITABLE FOR JEWELLERY



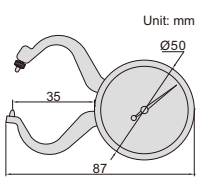
2361-10

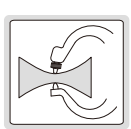


Code	Range	Graduation	Accuracy	Price(₹)
2361-10	0-10mm	0.1mm	±0.05mm	2025

THICKNESS GAGE

2863-10

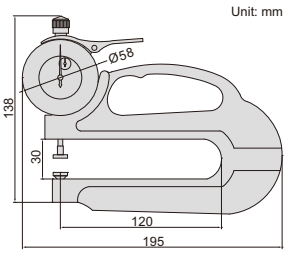


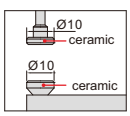


Code	Range	Graduation	Accuracy	Price(₹)
2863-10	0-10mm	0.05mm	±0.1mm	2767

THICKNESS GAGE

2365-10



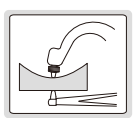


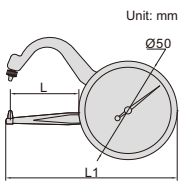
Code	Range	Graduation	Accuracy	Price(₹)
2365-10	0-10mm	0.01mm	±0.02mm	5136

Sizes available up to 20mm

THICKNESS GAGES

2862-101



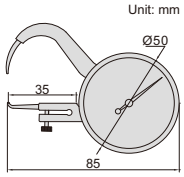


(mm)

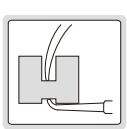
Code	Range	Graduation	Accuracy	L	L1	Price(₹)
2862-101	0-10mm	0.05mm	±0.1mm	35	85	2767
2862-102	0-10mm	0.05mm	±0.1mm	60	110	3188

THICKNESS GAGE WITH POINTED TIPS

2866-10



- Pointed tips fit into small grooves and recesses



Code	Range	Graduation	Accuracy	Price(₹)
2866-10	0-10mm	0.05mm	±0.1mm	3674

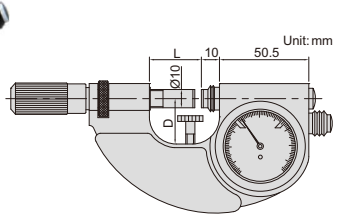
DIAL SNAP GAGES

IP54 WATERPROOF

ATTENTION: BASIC MODEL

- Go/No-Go judgement for mass production
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- IP54 dust/waterproof
- Measuring force: 5-10N
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

3334-25



(mm)

Code	Range	L	D	Price(₹)
3334-25	0-25mm	28.5	25	22263
3334-50	25-50mm	53.5	35	24461
3334-75	50-75mm	78.5	47.5	27155
3334-100	75-100mm	103.5	60	29155

STEP AND GAP GAGE

VIDEO

DATA OUTPUT

front

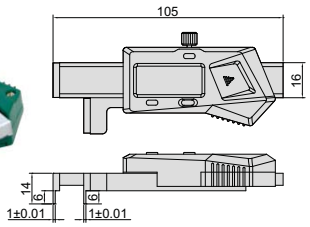
2168-12

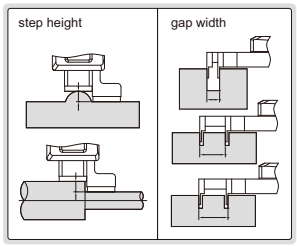
back

- Measure step height and gap width
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Supplied with zero setting block
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

zero setting block (included)

Unit: mm





Code	Range	Resolution	Accuracy	Price(₹)
2168-12	0-12.7mm/0-0.5"	0.01mm/0.0005"	±0.03mm	10827

SAW TEETH SETTING GAGE

INSIZE PLUS
MADE IN GERMANY

- Supplied with limit pointer
- Read from both sides

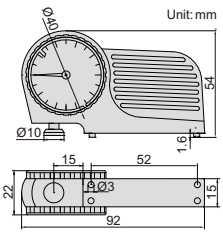
Code	Range	Graduation	Accuracy	Price(₹)
2874-02	0-2mm	0.05mm	±0.05mm	9591

front

2874-02

back

Unit: mm

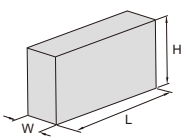


INDIVIDUAL STEEL GAGE BLOCKS

INSPECTION CERTIFICATE

- Made of alloy steel
- Meet ISO3650
- Supplied with manufacturer inspection certificate

4101-B70



CUSTOM SIZES
CAN SUPPLY ANY SIZES FROM 0.5~1000MM, SUCH AS 72.672MM
SIZE<100MM: MOQ 6PCS PER SIZE
SIZE>100MM: MOQ 3PCS PER SIZE

Dimension:

Size (L)	W	H
0.5≤L≤10mm	9mm	30mm
L>10mm	9mm	35mm

Grade 1

Code	Size	Price(₹)
4101-BD5	0.5mm	1051
4101-B1	1mm	705
4101-B1D001	1.001mm	828
4101-B1D002	1.002mm	828
4101-B1D003	1.003mm	828
4101-B1D004	1.004mm	828
4101-B1D005	1.005mm	828
4101-B1D006	1.006mm	828
4101-B1D007	1.007mm	828
4101-B1D008	1.008mm	828
4101-B1D009	1.009mm	828
4101-B1D01	1.01mm	828
4101-B1D02	1.02mm	828
4101-B1D03	1.03mm	828
4101-B1D04	1.04mm	828
4101-B1D05	1.05mm	828
4101-B1D06	1.06mm	828
4101-B1D07	1.07mm	828
4101-B1D08	1.08mm	828
4101-B1D09	1.09mm	828
4101-B1D1	1.1mm	828
4101-B1D11	1.11mm	828
4101-B1D12	1.12mm	828
4101-B1D13	1.13mm	828
4101-B1D14	1.14mm	828
4101-B1D15	1.15mm	828
4101-B1D16	1.16mm	828
4101-B1D17	1.17mm	828
4101-B1D18	1.18mm	828
4101-B1D19	1.19mm	828

Grade 1

Code	Size	Price(₹)
4101-B1D2	1.2mm	828
4101-B1D21	1.21mm	828
4101-B1D22	1.22mm	828
4101-B1D23	1.23mm	828
4101-B1D24	1.24mm	828
4101-B1D25	1.25mm	828
4101-B1D26	1.26mm	828
4101-B1D27	1.27mm	828
4101-B1D28	1.28mm	828
4101-B1D29	1.29mm	828
4101-B1D3	1.3mm	828
4101-B1D31	1.31mm	828
4101-B1D32	1.32mm	828
4101-B1D33	1.33mm	828
4101-B1D34	1.34mm	828
4101-B1D35	1.35mm	828
4101-B1D36	1.36mm	828
4101-B1D37	1.37mm	828
4101-B1D38	1.38mm	828
4101-B1D39	1.39mm	828
4101-B1D4	1.4mm	828
4101-B1D41	1.41mm	828
4101-B1D42	1.42mm	828
4101-B1D43	1.43mm	828
4101-B1D44	1.44mm	828
4101-B1D45	1.45mm	828
4101-B1D46	1.46mm	828
4101-B1D47	1.47mm	828
4101-B1D48	1.48mm	828
4101-B1D49	1.49mm	828

Grade 1

Code	Size	Price(₹)
4101-B1D5	1.5mm	828
4101-B1D6	1.6mm	828
4101-B1D7	1.7mm	828
4101-B1D8	1.8mm	828
4101-B1D9	1.9mm	828
4101-B2	2mm	705
4101-B2D5	2.5mm	828
4101-B3	3mm	705
4101-B3D5	3.5mm	828
4101-B4	4mm	705
4101-B4D5	4.5mm	828
4101-B5	5mm	705
4101-B5D5	5.5mm	828
4101-B6	6mm	721
4101-B6D5	6.5mm	848
4101-B7	7mm	721
4101-B7D5	7.5mm	848
4101-B8	8mm	721
4101-B8D5	8.5mm	848
4101-B9	9mm	721
4101-B9D5	9.5mm	848
4101-B10	10mm	788
4101-B11	11mm	924
4101-B12	12mm	924
4101-B13	13mm	924
4101-B14	14mm	924
4101-B15	15mm	788
4101-B16	16mm	924
4101-B17	17mm	924
4101-B18	18mm	924

Grade 1

Code	Size	Price(₹)
4101-B19	19mm	924
4101-B20	20mm	788
4101-B21	21mm	924
4101-B22	22mm	924
4101-B23	23mm	924
4101-B24	24mm	924
4101-B25	25mm	788
4101-B30	30mm	1371
4101-B35	35mm	2367
4101-B40	40mm	1371
4101-B41D3	41.3mm	1610
4101-B45	45mm	2604
4101-B50	50mm	1371
4101-B60	60mm	1696
4101-B70	70mm	1696
4101-B75	75mm	1696
4101-B80	80mm	1860
4101-B90	90mm	2023
4101-B100	100mm	2187
4101-B125	125mm	3868
4101-B131D4	131.4mm	6379
4101-B150	150mm	5432

Grade 2

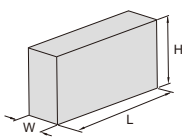
Code	Size	Price(₹)
4101-C175	175mm	4944
4101-C200	200mm	6127
4101-C250	250mm	6845
4101-C300	300mm	8279
4101-C400	400mm	10748
4101-C500	500mm	12542

Sizes available up to 1000mm

STEEL GAGE BLOCK SETS

INSPECTION CERTIFICATE

4100-87



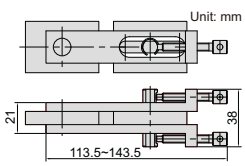
Dimension:

Size (L)	W	H
0.5≤L≤10mm	9mm	30mm
L>10mm	9mm	35mm

- Made of alloy steel
- Meet ISO3650
- Supplied with manufacturer inspection certificate

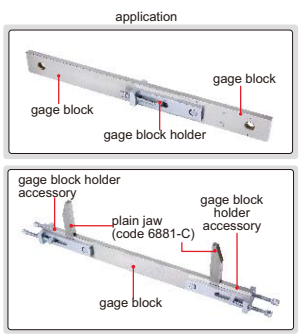
Blocks per set	Gage blocks included in set			Grade 0		Grade 1		Grade 2	
	Size (mm)	Step (mm)	Quantity	Code	Price(₹)	Code	Price(₹)	Code	Price(₹)
112	1.0005		1	4100-112	74785	4100-1112	48050	4100-2112	26102
	1.001-1.009	0.001	9						
	1.01-1.49	0.01	49						
	0.5-24.5	0.5	49						
	25-100	25	4						
87	1.001-1.009	0.001	9	4100-87	54839	4100-187	32105	4100-287	16945
	1.01-1.49	0.01	49						
	0.5-9.5	0.5	19						
	10-100	10	10						
83	0.5		1	4100-83	48647	4100-183	27423	4100-283	16455
	1		1						
	1.005		1						
	1.01-1.49	0.01	49						
	1.5-1.9	0.1	5						
	2-9.5	0.5	16						
	10-100	10	10						
34	1.0005		1	4100-34	20463	4100-134	14584	4100-234	7885
	1.001-1.009	0.001	9						
	1.01-1.09	0.01	9						
	1.1-1.9	0.1	9						
	1-5	1	5						
	10		1						

GAGE BLOCK HOLDER



VIDEO

6886-1



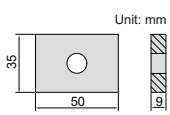
- For gage blocks over 100mm with clamping holes
- Optional accessary: gage block holder accessory, gage block accessory (code **6881**)

Code	Price(₹)
6886-1	4195

GAGE BLOCK HOLDER ACCESSORY

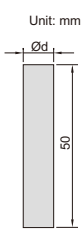
6886-A

Code	Price(₹)
6886-A	6038



PIN GAGE SETS

4166-6D



- Meet DIN2267, grade 1
- Made of alloy steel
- Hardness HRC62-65
- Diameter accuracy: ±1μm

Code	Diameter Ød (mm)	Step	Pin gages per set	Price(₹)
4166-0D	0.20, 0.21, 0.22, ····0.50	0.01mm	31	9061
4166-1	0.50, 0.51, 0.52, ····1.00	0.01mm	51	14064
4166-1D	1.00, 1.01, 1.02, ····1.50	0.01mm	51	14064
4166-2	1.50, 1.51, 1.52, ····2.00	0.01mm	51	14064
4166-2D	2.00, 2.01, 2.02, ····2.50	0.01mm	51	14064
4166-3	2.50, 2.51, 2.52, ····3.00	0.01mm	51	14064
4166-3D	3.00, 3.01, 3.02, ····3.50	0.01mm	51	14064
4166-4	3.50, 3.51, 3.52, ····4.00	0.01mm	51	14064
4166-4D	4.00, 4.01, 4.02, ····4.50	0.01mm	51	14064
4166-5	4.50, 4.51, 4.52, ····5.00	0.01mm	51	14064
4166-5D	5.00, 5.01, 5.02, ····5.50	0.01mm	51	14064
4166-6	5.50, 5.51, 5.52, ····6.00	0.01mm	51	14064
4166-6D	6.00, 6.01, 6.02, ····6.50	0.01mm	51	14064
4166-7	6.50, 6.51, 6.52, ····7.00	0.01mm	51	14064
4166-7D	7.00, 7.01, 7.02, ····7.50	0.01mm	51	14064
4166-8	7.50, 7.51, 7.52, ····8.00	0.01mm	51	14064
4166-8D	8.00, 8.01, 8.02, ····8.50	0.01mm	51	14064
4166-9	8.50, 8.51, 8.52, ····9.00	0.01mm	51	14080
4166-9D	9.00, 9.01, 9.02, ····9.50	0.01mm	51	14886
4166-10	9.50, 9.51, 9.52, ····10.00	0.01mm	51	14935

WATERPROOF DIGITAL PROTRACTOR (HEAVY DUTY)

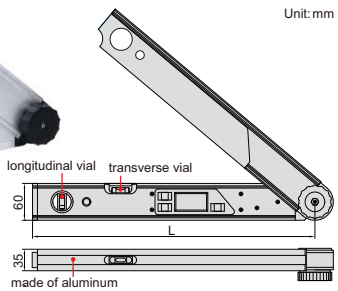
AUTOMATIC BACKLIGHT

IP54 WATERPROOF

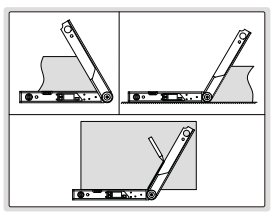
ABSOLUTE LEVEL

2174-225

Unit: mm



- Suitable for setting horizontal and vertical mitre angles of cutting machine
- Buttons: ON/OFF, HOLD/SUP, SPR/CNR/MTR/BVL
- IP54 dust/waterproof
- With transverse and longitudinal vials
- 2xAAA batteries
- Absolute level, zero setting is not needed when batteries are replaced
- Backlight will turn off in one minute after no data changing, automatic power off in 5 minutes

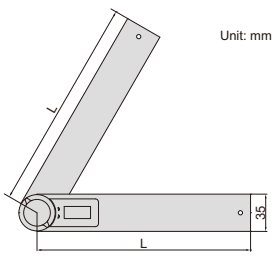


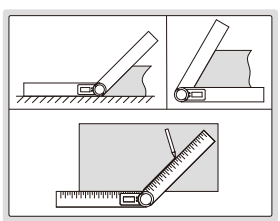
Code	Size (L)	Range	Resolution	Accuracy	Price(₹)
2174-225	460mm	0-225°	0.05°	±0.10°	7664

DIGITAL PROTRACTORS

2176-200

Unit: mm



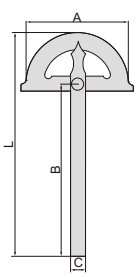


- Buttons: on/off, zero
- With clamping screw to lock the blades
- Graduation of blade: 1mm and 1/32"
- Made of stainless steel
- CR2032 battery
- Automatic power off

Code	Size (L)	Range	Resolution	Accuracy	Price(₹)
2176-200	200mm	0-360°	0.1°	±0.3°	1930
2176-300	300mm	0-360°	0.1°	±0.3°	2218

PROTRACTORS

4799-180

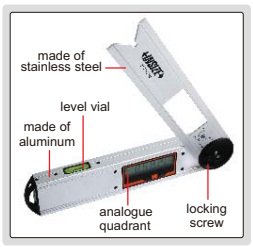


- Graduation: 1°
- Made of stainless steel
- Satin chrome plated scale
- With clamping screw

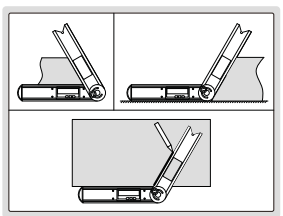
Code	Size (AxB)	Range	Accuracy	L	C	Price(₹)
4799-180	80x120mm	0-180°	±0.3°	168mm	11mm	1197
4799-1120	120x150mm	0-180°	±0.3°	220mm	14mm	1318
4799-1150	150x200mm	0-180°	±0.3°	285mm	16mm	1771
4799-1200	200x300mm	0-180°	±0.3°	413mm	20mm	2271

Sizes available up to 300x500mm

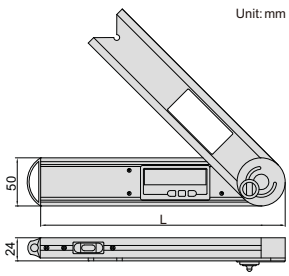
DIGITAL PROTRACTOR



2171-250



Unit: mm



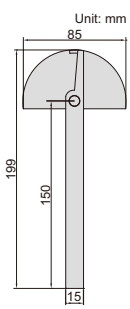
- Buttons: on/off, hold (keep the reading), zero, ABS (absolute and incremental measurement)
- Fix the locking screw at 4 positions for different measuring ranges: 0°~225°, -225°~0°, -45°~180°, -180°~45°
- Remove the locking screw for 360° range
- With level vial
- Battery CR2032
- Automatic power off

Code	Size (L)	Range	Resolution	Accuracy	Price(₹)
2171-250	250mm	0-360°	0.05°	±0.15°	3856

PROTRACTOR

4780-85

Unit: mm



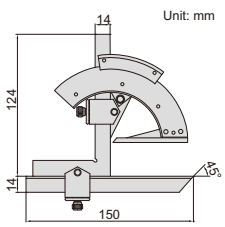
- Made of stainless steel
- Satin chrome plated scale
- With clamping screw

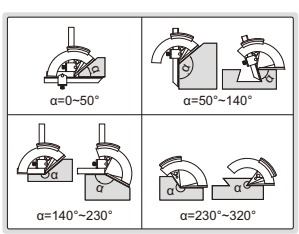
Code	Size	Range	Graduation	Accuracy	Price(₹)
4780-85	85x150mm	0-180°	1°	±0.3°	639

PROTRACTOR

2374-320

Unit: mm

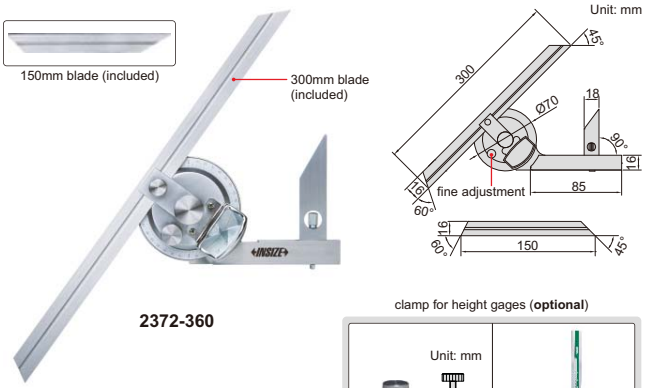




- Made of stainless steel
- Satin chrome plated scale

Code	Range	Graduation	Accuracy	Price(₹)
2374-320	0-320°	2'	±2'	4639

UNIVERSAL PROTRACTOR

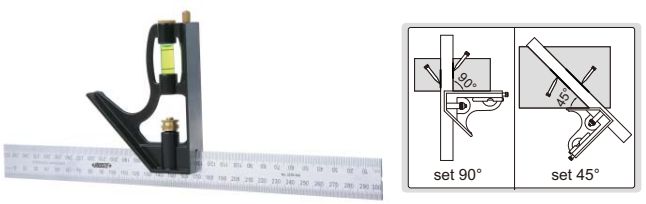


2372-360

- Parallax-free reading
- Made of stainless steel
- Optional accessory: clamp (code **2372-CLAMP**), suitable for height gages **1156**, **1351** and **1250**

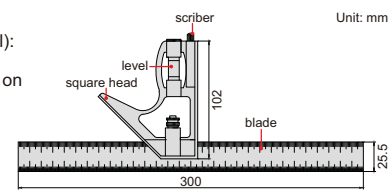
Code	Range	Graduation	Accuracy	Price(₹)
2372-360	0-360°	5'	±5'	4445

LIGHT DUTY COMBINATION SQUARE



2276-300

- Square head (made of zinc): To set the blade at 90° or 45° to an edge of a workpiece Accuracy: ±0.5°
- Blade (made of stainless steel): Range: 300mm, Graduation: 0.5mm and 1mm on front and back sides

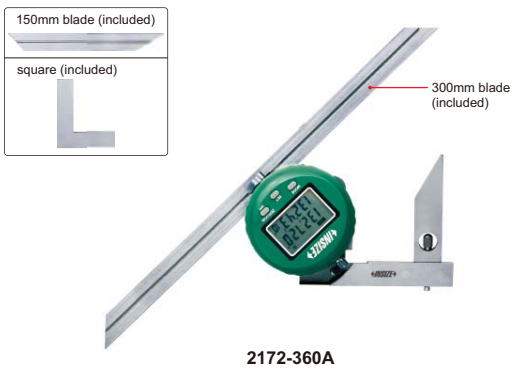


Code	Price(₹)
2276-300	459

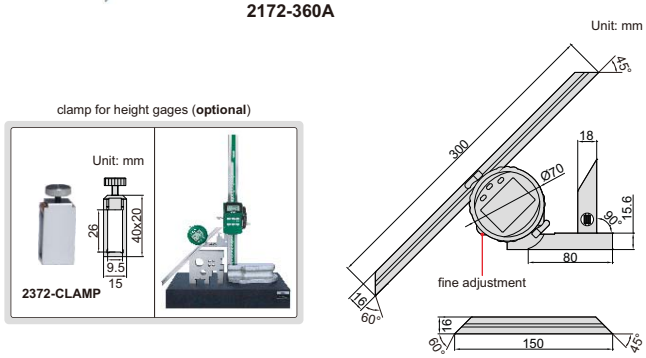
DIGITAL PROTRACTOR

DATA OUTPUT

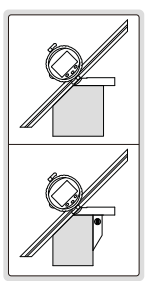
VIDEO



2172-360A



- Display in degree (for example 32.655°) and degree/minute/second (for example 32°39'30")
- SET button: preset the reading, change measuring direction
- MODE button: choose 0~90°, 0~180° or 0~360° display
- ZERO/ON/OFF button: zero and power on/off
- Battery CR2032, automatic power off
- Data output
- Supplied with square to set 90°
- Made of stainless steel
- Optional accessory: data output cable (code **7305-SPC1A**, **7305-C01**), clamp (code **2372-CLAMP**), suitable for height gages **1156**,**1351** and **1250**



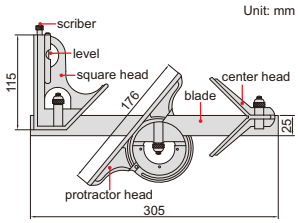
Code	Range	Graduation	Accuracy	Price(₹)
2172-360A	0-360°	10"/0.005°	±5'	19537

COMBINATION SQUARE SETS

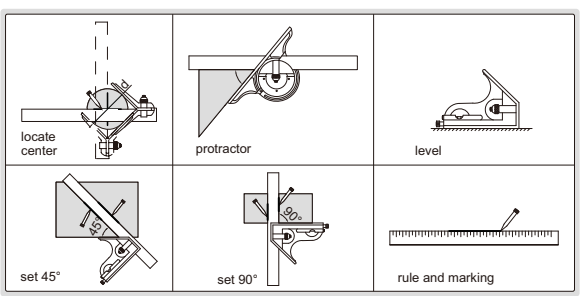
- Center head (made of cast iron): To locate center of cylinder with diameter (Ød): 30-100mm Accuracy: ±0.15mm
- Protractor head (made of cast iron): To set the blade at desired angle to an edge of a workpiece, and can be used to measure angles Range: 0-180°, accuracy: ±7min.
- Square head (made of cast iron): To set the blade at 90° or 45° to an edge of a workpiece Accuracy: ±8min for 90° square, ±10min for 45° square
- Blade (made of stainless steel): Range: 300mm/12", Graduation: 0.5mm and 1/32" on front face, 1mm and1/64" on back face
- Optional accessory: rigid rule (code **7113**)

2278-2

2278-3



2278-180



Code	Remark	Price(₹)
2278-2	2-piece set	1876
2278-3	3-piece set	2772
2278-180	4-piece set	5693

STRAIGHT EDGES

4700-100

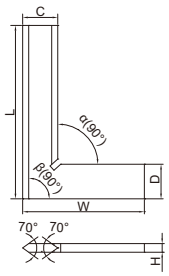
- DIN874
- Beveled edge
- Made of hardened stainless steel
- Satin chrome plating

Code	Size (L)	Straightness	W	H	Price(₹)
4700-100	100mm	2.4μm	5mm	25mm	1137
4700-150	150mm	2.6μm	6mm	30mm	1890
4700-200	200mm	2.8μm	6mm	30mm	2220
4700-300	300mm	3.2μm	8mm	40mm	4221

Sizes available up to 500mm

90° BEVELED EDGE SQUARES

4790-0100



- DIN875 grade 00
- Satin chrome plating
- Beveled edges for inside and outside measurement
- Made of hardened stainless steel

(mm)

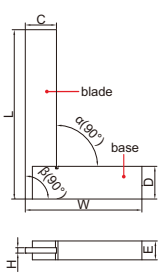
Code	Size (LxW)	Squareness		C	D	H	Price(₹)
		Inside (α)	Outside (β)				
4790-050	50x40mm	2.4μm	2.5μm	13	13	4	1751
4790-075	75x50mm	2.6μm	2.8μm	15	15	4	1996
4790-0100	100x70mm	2.8μm	3.0μm	20	20	5	2228
4790-0150	150x100mm	3.2μm	3.5μm	30	30	6	3813
4790-0200	200x130mm	3.7μm	4.0μm	34	34	7	4860
4790-0300	300x200mm	4.6μm	5.0μm	40	40	8	9104

MACHINIST SQUARE WITH WIDE BASE

ATTENTION: LOW ACCURACY

ATTENTION: NO ANTI-RUST TREATMENT, NOT HARDENED

4707-100



- Economic model
- DIN875 grade 2
- Made of carbon steel, no anti-rust treatment, not hardened

(mm)

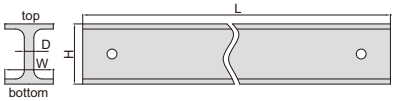
Code	Size (LxW)	Squareness		C	D	H	E	Price(₹)
		Inside (α)	Outside (β)					
4707-100	100x70mm	28μm	30μm	19	19	3	12	763
4707-150	150x100mm	33μm	35μm	25	25	3	16	1045
4707-200	200x130mm	37μm	40μm	30	32	4	16	1188
4707-300	300x200mm	47μm	50μm	32	32	4	19	2480
4707-500	500x300mm	65μm	70μm	45	50	6	25	6038

Sizes available up to 1000x550mm

MAGNALIUM STRAIGHT EDGES

4180-500

- Made of magnalium, light weight, non-deform, no rusty

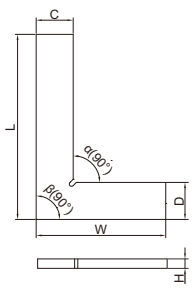


(mm)

Code	Length (L)	Flatness of top and bottom	Parallelism between top and bottom	H	W	D	Price (₹)
4180-500	500mm	3μm	4μm	60	30	5	14074
4180-1000	1000mm	5μm	8μm	60	30	5	29523
4180-1500	1500mm	15μm	22μm	100	40	5	40374
4180-2000	2000mm	18μm	27μm	100	40	8	54110

90° FLAT EDGE SQUARES

4791-100



- DIN875 grade 0
- Made of hardened stainless steel

(mm)

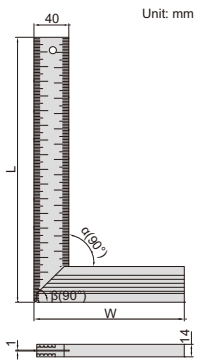
Code	Size (LxW)	Squareness		C	D	H	Price(₹)
		Inside (α)	Outside (β)				
4791-50	50x40mm	6μm	6μm	15	15	4	1298
4791-100	100x70mm	7μm	7μm	20	20	5	1698

Sizes available up to 300x200mm

TRY SQUARE

2275-300

Unit: mm



- Graduation: 1mm
- Stainless steel blade, aluminum base

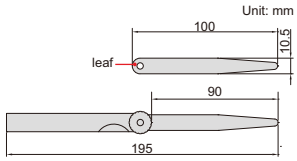
Code	Size (LxW)	Squareness		Price(₹)
		Inside (α)	Outside (β)	
2275-300	300x170mm	0.5mm	0.5mm	464

FEELER GAGES

4602-20

- Made of hardened alloy steel
- Meet DIN2275
- Accuracy: ±(3+T/80) μm, 'T' is the thickness of leaves in μm

Unit: mm



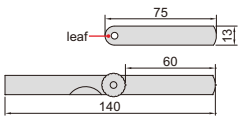
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	Price(₹)
4602-17	0.02-1.00mm	0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.75, 1.00	17	298
4602-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	321
4602-32	0.03-1.00mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.13, 0.15, 0.18, 0.20, 0.23, 0.25, 0.28, 0.30, 0.33, 0.35,0.38, 0.40, 0.45, 0.50, 0.55, 0.60, 0.63, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1.00	32	457

FEELER GAGE

4601-25

- Made of hardened alloy steel
- Meet DIN2275
- Accuracy: ±(3+T/80) μm, 'T' is the thickness of leaves in μm

Unit: mm



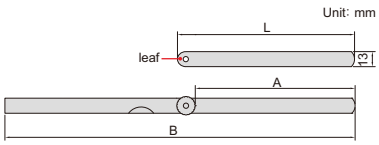
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	Price(₹)
4601-25	0.04-1.00mm	0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	25	302

LONG FEELER GAGES

4605-20

- Made of hardened alloy steel
- Meet DIN2275
- Accuracy: ±(3+T/80) μm, 'T' is the thickness of leaves in μm

Unit: mm



(mm)

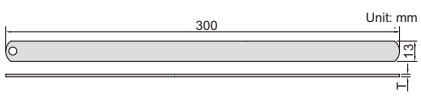
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	L	A	B	Price(₹)
4605-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	150	135	295	571
4605-201	0.05-1.00mm		20	200	185	395	608
4605-202	0.05-1.00mm		20	300	285	590	987

FEELER GAGE STOCKS

4622-10

- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 300mm
- Width 13mm
- 10pcs/package

Unit: mm



Code	Thickness (T)	Accuracy	Price(₹)
4622-02	0.02mm	±3μm	1076*
4622-03	0.03mm	±3μm	992*
4622-04	0.04mm	±3μm	863*
4622-05	0.05mm	±3μm	655*
4622-06	0.06mm	±3μm	655*
4622-07	0.07mm	±4μm	655*
4622-08	0.08mm	±4μm	655*
4622-09	0.09mm	±4μm	655*
4622-10	0.10mm	±4μm	655*
4622-12	0.12mm	±5μm	1290*

Code	Thickness (T)	Accuracy	Price(₹)
4622-15	0.15mm	±5μm	784*
4622-18	0.18mm	±6μm	1298*
4622-20	0.20mm	±6μm	784*
4622-25	0.25mm	±6μm	784*
4622-30	0.30mm	±7μm	784*
4622-35	0.35mm	±7μm	863*
4622-40	0.40mm	±8μm	863*
4622-45	0.45mm	±8μm	863*
4622-50	0.50mm	±9μm	863*
4622-55	0.55mm	±9μm	969*

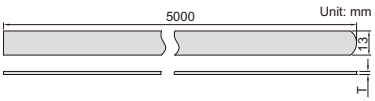
Code	Thickness (T)	Accuracy	Price(₹)
4622-60	0.60mm	±9μm	969*
4622-65	0.65mm	±9μm	969*
4622-70	0.70mm	±12μm	969*
4622-75	0.75mm	±12μm	1053*
4622-80	0.80mm	±13μm	1053*
4622-85	0.85mm	±13μm	1053*
4622-90	0.90mm	±14μm	1053*
4622-95	0.95mm	±14μm	1053*
4622-100	1.00mm	±16μm	1053*

*Price for 10pcs

FEELER GAGE ROLLS

4621-30

- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 5m
- Width 13mm



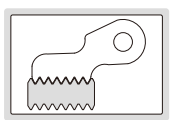
Code	Thickness (T)	Accuracy	Price(₹)
4621-02	0.02mm	±4μm	695
4621-03	0.03mm	±4μm	549
4621-04	0.04mm	±4μm	549
4621-05	0.05mm	±4μm	403
4621-06	0.06mm	±4μm	403
4621-07	0.07mm	±5μm	403
4621-08	0.08mm	±5μm	403
4621-09	0.09mm	±5μm	403
4621-10	0.10mm	±5μm	403
4621-12	0.12mm	±5μm	475
4621-15	0.15mm	±6μm	403
4621-18	0.18mm	±7μm	475
4621-20	0.20mm	±8μm	403
4621-25	0.25mm	±9μm	438
4621-30	0.30mm	±9μm	468

Code	Thickness (T)	Accuracy	Price(₹)
4621-35	0.35mm	±11μm	670
4621-40	0.40mm	±12μm	706
4621-45	0.45mm	±12μm	706
4621-50	0.50mm	±14μm	706
4621-55	0.55mm	±14μm	779
4621-60	0.60mm	±14μm	779
4621-65	0.65mm	±14μm	779
4621-70	0.70mm	±17μm	779
4621-75	0.75mm	±17μm	815
4621-80	0.80mm	±19μm	815
4621-85	0.85mm	±19μm	815
4621-90	0.90mm	±22μm	815
4621-95	0.95mm	±22μm	815
4621-100	1.00mm	±24μm	815

PITCH GAGES

- Check the pitch of screw thread
- Accuracy: ±0.07mm
- Made of medium carbon steel

4820-124



Metric 60° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price(₹)
4820-124	0.25-7mm	0.25, 0.3, 0.35, 0.4, 0.5, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	24	422

Unified 60° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price(₹)
4820-230	4-42TPI	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI	30	505

Whitworth 55° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price(₹)
4820-330	4-42TPI	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI	30	495

Metric 60° and Whitworth 55° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price(₹)
4820-452	0.25-6mm	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6mm	52	597
	4-62TPI	4, 4-1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62TPI		

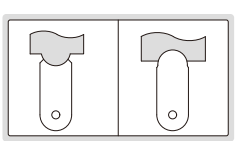
Metric 60° and Unified 60° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price(₹)
4820-552	0.4-7mm	0.4, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	52	597
	4-42TPI	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI		

RADIUS GAGES

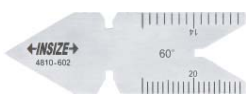
- Made of medium carbon steel

4801-17

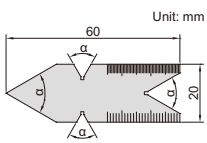


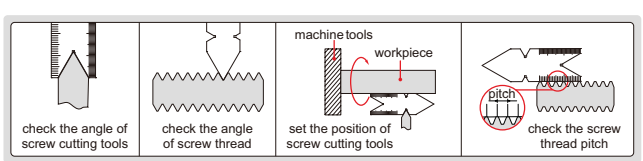
Code	Range	Radius of leaves included (mm)	Quantity of leaves (internal+external)	Accuracy	Price(₹)
4801-17	1-7mm	1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7	17+17	±0.03mm	651
4801-16	7.5-15mm	7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15	16+16	±0.035mm	648
4801-15	15.5-25mm	15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 21, 22, 23, 24, 25	15+15	±0.042mm	658

CENTER GAGES



4810-602

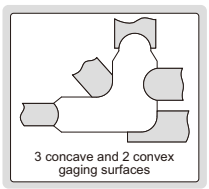


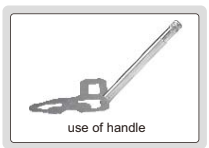


- To check and set screw cutting tools, and check the angle and pitch of screw thread
- Angle accuracy: ±30min.
- Made of stainless steel

Code	Thread type	Angle (α)	Graduation	Price (₹)
4810-601	METRIC 60°	60°	0.5mm and 1mm	235
4810-602	UNIFIED 60°	60°	14ths and 20ths on front side, 24ths and 32ths on back side	271
4810-55	WHITWORTH 55°	55°	14ths and 20ths on front side, 24ths and 32ths on back side	236

RADIUS GAGE SET





4804-26

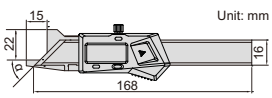
- Accuracy: ±0.05mm
- Each piece has 3 concave and 2 convex gaging surfaces
- Supplied with handle
- Made of medium carbon steel

Code	Range	Radius of leaves included (mm)	Quantity of leaves	Price (₹)
4804-26	0.5 - 13mm	0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13	26	2177

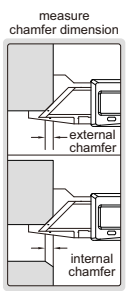
DIGITAL CHAMFER GAGES

DATA OUTPUT

1180-6



- Measure 30°/45°/60° chamfer dimension
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)



Code	Range	Accuracy	Chamfer (α)	Price(₹)
1180-6	0-10mm/0-0.39"	±0.06mm	45°	6186
1180-63	0-10mm/0-0.39"	±0.06mm	30°	7933
1180-66	0-10mm/0-0.39"	±0.06mm	60°	7933

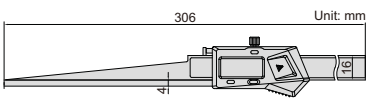
DIGITAL TAPER GAGE

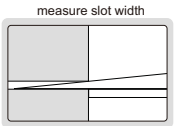
ATTENTION: ACTUAL SLOT WIDTH IS 1/10 OF THE READING

DATA OUTPUT

1160-10

- Measuring opening, slot width
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

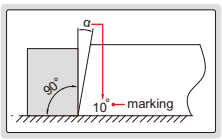




Code	Range	Accuracy	Price(₹)
1160-10	0.2-10mm/0.008-0.394"	±0.03mm	17698

ANGLE GAGE

4806-20

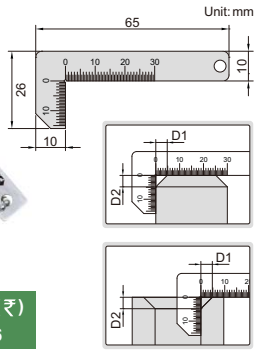


- To check complementary angles
- Made of stainless steel

Code	Range	Angle of leaves included	Quantity of leaves	Accuracy	Price (₹)
4806-20	1°-45°	1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°, 10°,12°, 14°, 16°, 18°, 20°, 25°, 30°, 35°, 40°, 45°	20	±30'	1771

CHAMFER GAGE

4844-1

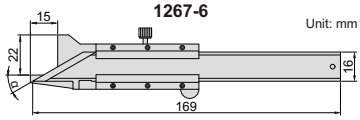


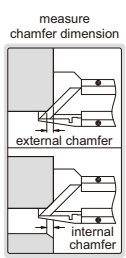
- To measure internal and external chamfers
- Made of stainless steel

Code	Graduation	Accuracy	Price(₹)
4844-1	0.5mm	±0.25mm	376

CHAMFER GAGES

1267-6



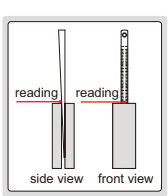


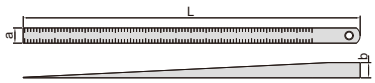
- Measure 30°/45°/60° chamfer dimension
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Accuracy	Graduation	Chamfer (α)	Price(₹)
1267-6	0-10mm	±0.06mm	0.02mm	45°	5317
1267-63	0-10mm	±0.06mm	0.02mm	30°	6136
1267-66	0-10mm	±0.06mm	0.02mm	60°	6136

TAPER GAGES

4630-1





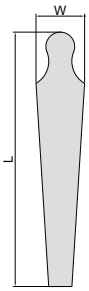
- For quick measurement of gap width
- Stain chrome plated reading surface
- Made of stainless steel

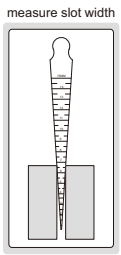
(mm)

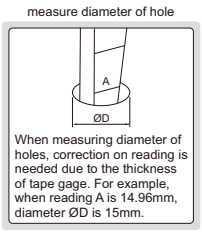
Code	Range	Graduation	Accuracy	L	a	b	Price(₹)
4630-3	0.4 - 6mm	0.05mm	±0.04mm	164	12.5	6.5	2533
4630-1	0.5 - 10mm	0.05mm	±0.07mm	220	10	10.5	1810
4630-2	0.5 - 15mm	0.1mm	±0.08mm	184	12.5	16.5	2947

TAPER GAGES

front **4833-2** back





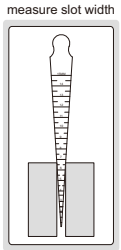


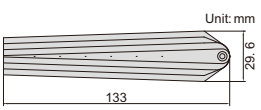
- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back (only for **4833-1**, **4833-2**)
- Made of stainless steel

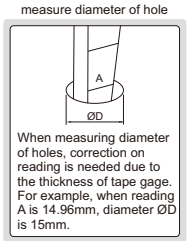
Code	Range	Graduation	Accuracy	L	W	Price(₹)
4833-1	0.8-15mm	0.1mm	±0.1mm	146mm	17mm	601
4833-2	15-30mm	0.1mm	±0.1mm	159mm	30.4mm	484
4833-3	30-45mm	0.1mm	±0.1mm	166mm	45.4mm	612
4833-4	45-60mm	0.1mm	±0.1mm	170mm	60.5mm	837

TAPER GAGE SET

front **4837-1** back





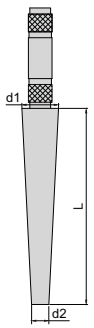


- Include 4pcs (1-8mm, 8-15mm, 15-22mm, 22-29mm)
- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back
- Made of stainless steel

Code	Range	Graduation	Accuracy	Price(₹)
4837-1	1-29mm	0.05mm	±0.05mm	2221

TAPER BORE GAGES

4852-15



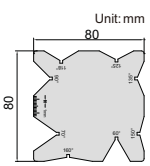
- Quick measurement of bore diameter
- Hardened carbon steel, HRC50-58
- Satin chrome plated surface
- Aluminium oxided handle

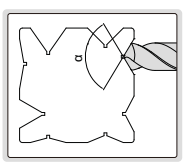
(mm)

Code	Range	Graduation	Accuracy	L	Ød1	Ød2	Price(₹)
4852-1	1-6.5mm	0.1mm	±0.05mm	62.5	7	0.8	2256
4852-3	3-16mm	0.1mm	±0.05mm	143	17	2.8	2516
4852-15	15-30mm	0.1mm	±0.05mm	165	31	14.7	3867
4852-30	30-45mm	0.1mm	±0.05mm	165	46	29.6	4646

DRILL ANGLE GAGE

4842-1



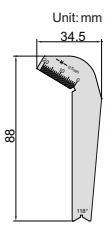


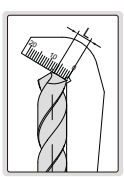
- Check drills with angle 60°, 70°, 90°, 118°, 125°, 135°, 150° or 160°
- Made of stainless steel

Code	Accuracy	Price(₹)
4842-1	±0.5°	465

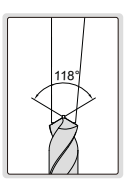
DRILL POINT GAGE

4843-1





- For twist drills with 118° angle, to check if the center of tip is concentric with the drill body
- Made of stainless steel

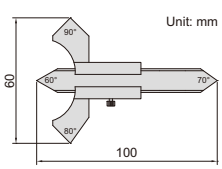


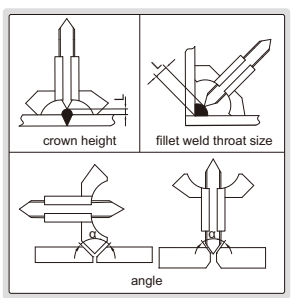
Code	Accuracy		Price(₹)
	Angle	Length	
4843-1	±0.5°	±0.5mm	366

WELDING GAGE

- Made of stainless steel
- Stain chrome plated reading surface

4830



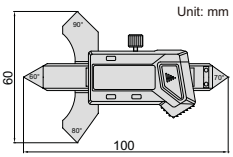


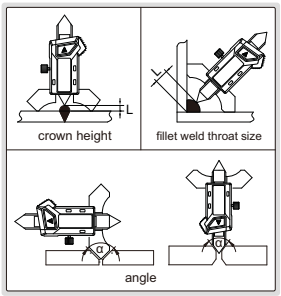
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4830	crown height	0-8mm	0.1mm	±0.1mm	1261
	fillet weld throat size	0-20mm	0.1mm	±0.3mm	
	angle	60°, 70°, 80°, 90°	—	±1°	

DIGITAL WELDING GAGE

ATTENTION: NO DATA OUTPUT

- Buttons: zero, mm/inch, on/off
- Battery LR44
- Made of stainless steel

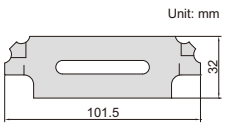


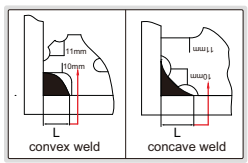


Code	Measurement	Range	Resolution	Accuracy	Price(₹)
4831-20A	crown height	0-7mm	0.01mm/0.0005"	±0.03mm	4893
	fillet weld throat size	0-20mm	0.01mm/0.0005"	±0.1mm	
	angle	60°, 70°, 80°, 90°	—	±1°	

FILLET WELDING GAGES

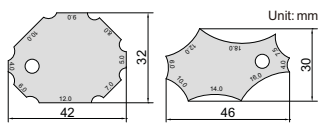
- Measure concave and convex weld sizes
- 7 blades are included
- Made of stainless steel

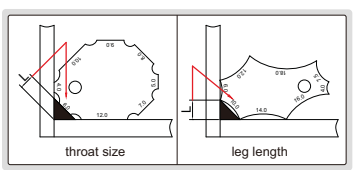




Code	Size	Accuracy	Price(₹)
4836-1	3mm, 4mm, 5mm, 6mm, 8mm, 9mm, 10mm, 11mm, 12mm, 14mm, 16mm, 19mm, 22mm, 25mm	±0.5mm	1402
4836-2	1/8" (3.2mm), 3/16" (4.8mm), 1/4" (6.4mm), 5/16" (7.9mm), 3/8" (9.5mm), 7/16" (11.1mm), 1/2" (12.7mm), 5/8" (15.9mm), 3/4" (19.1mm), 7/8" (22.2mm), 1" (25.4mm)	±0.02" (0.5mm)	1163

FILLET WELDING GAGE

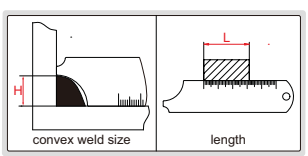




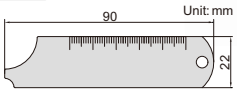
- Accuracy: ±0.5mm
- Made of stainless steel
- Sizes marked on both faces

Code	Throat size (mm)	Leg length (mm)	Price(₹)
4832-1	4, 5, 6, 7, 8, 9,10,12	4, 6, 7.5, 10, 12, 14, 16, 18	593

FILLET WELDING GAGE

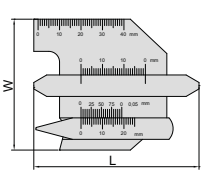


- Accuracy: ±0.5mm
- Measure convex weld sizes
- 3 blades are included
- Made of stainless steel

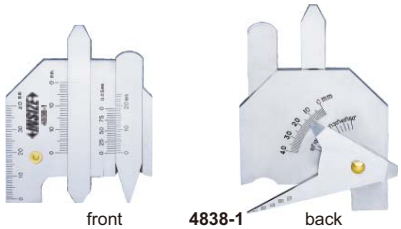


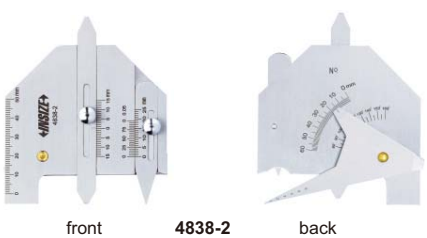
Code	Measurement	Range	Graduation	Price(₹)
4847-1	convex weld size	4, 6, 8, 10, 12, 14mm	—	809
	length	0-50mm	1mm	

WELDING GAGES

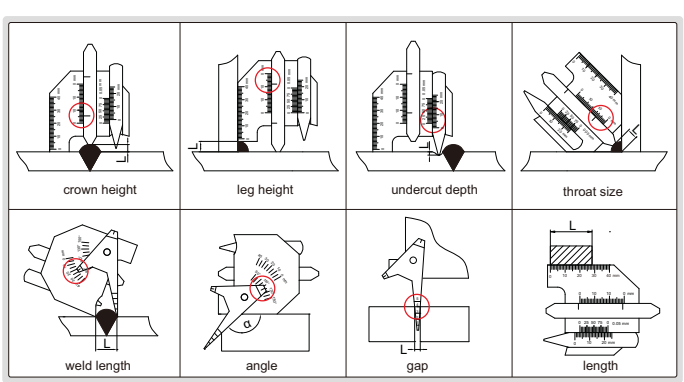


- Made of stainless steel

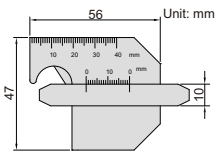




Code	4838-1			4838-2		
Price(₹)	1931			2209		
Measurement	Range	Graduation	Accuracy	Range	Graduation	Accuracy
crown height	0-10mm	1mm	±0.5mm	0-15mm	1mm	±0.5mm
leg height	0-14mm	1mm	±0.5mm	0-15mm	1mm	±0.5mm
undercut depth	0-5mm	0.05mm	±0.05mm	0-5mm	0.05mm	±0.05mm
throat size	0-13mm	1mm	±0.5mm	0-13mm	1mm	±0.5mm
weld length	0-40mm	1mm	±1mm	0-60mm	1mm	±1mm
angle	90°-150°	5°	±1°	80°-160°	5°	±1°
gap	0.5-5mm	1mm	±0.5mm	1-6mm	1mm	±0.5mm
length	0-40mm	1mm	±0.5mm	0-50mm	1mm	±0.5mm
LxW	62x77mm			99x84mm		



WELDING GAGE

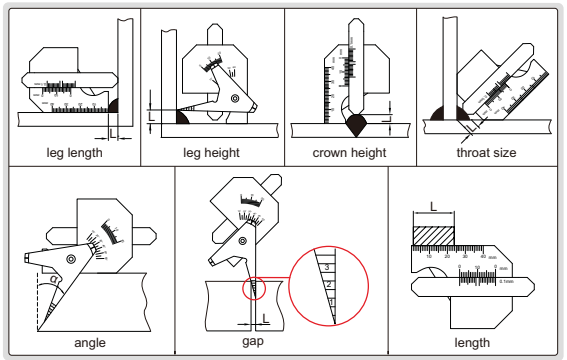


front

6832-1

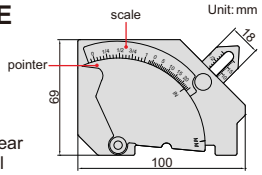
back

- Made of stainless steel
- Stain chrome plated surface



Code	Measurement	Range	Graduation	Accuracy	Price(₹)
6832-1	leg length	0-20mm	1mm	±0.3mm	1853
	leg height	0-20mm	1mm	±0.3mm	
	crown height	0-20mm	1mm	±0.3mm	
	throat size	0-10mm	1mm	±0.3mm	
	angle	0°-60°	5°	±1°	
	gap	1-3.5mm	0.5mm	±0.2mm	
	length	0-40mm	1mm	±0.3mm	

WELDING GAGE

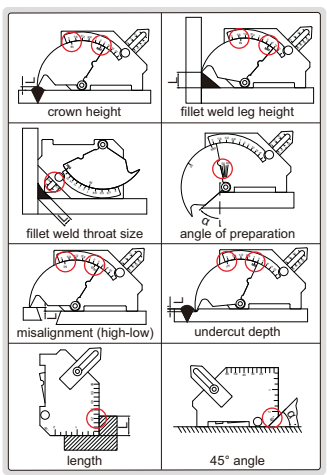


- Adjustable scale to compensate pointer wear
- Made of stainless steel

front

4835-1

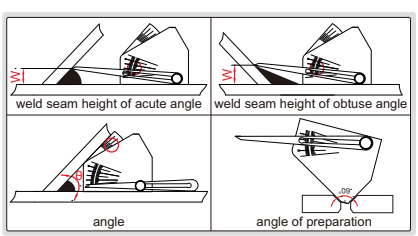
back



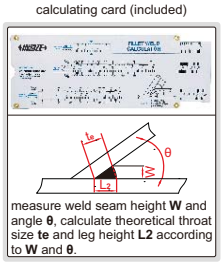
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4835-1	crown height	0-25mm (0-1")	1mm (1/16")	±0.5mm	1945
	fillet weld leg height	0-25mm (0-1")	1mm (1/16")	±0.5mm	
	misalignment (high-low)	0-25mm (0-1")	1mm (1/16")	±0.5mm	
	undercut depth	0-2mm (0-1/8")	1mm (1/16")	±0.5mm	
	fillet weld throat size	0-20mm (0-3/4")	1mm (1/16")	±0.5mm	
	angle of preparation	0-60°	5°	±1°	
	length	0-60mm (0-2")	1mm (1/16")	±0.5mm	
	45° angle	—	—	±1°	

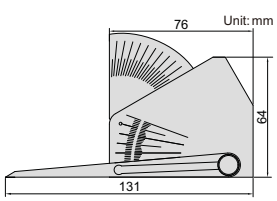
FILLET WELDING GAGE

- Calculating card is included
- Made of stainless steel



calculating card (included)

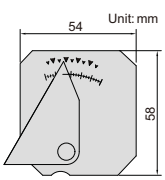




4846-1

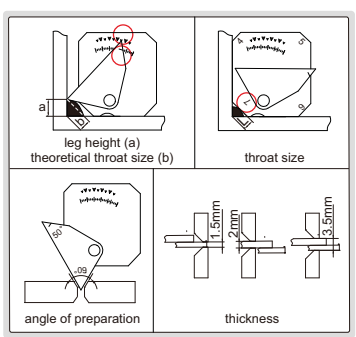
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4846-1	weld seam height **W**	0-50mm/0-2"	2mm/.050"	±1mm	2658
	angle **θ**	30°- 90°	2.5°	±1°	
	60° angle	—	—	±0.5°	

WELDING GAGE



- Made of stainless steel

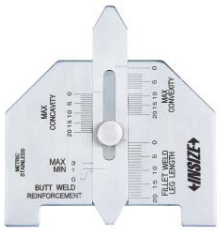
4850-1



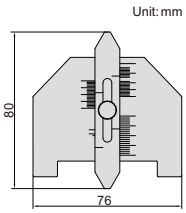
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4850-1	leg height (a)	2-12mm	1mm	±0.5mm	1401
	theoretical throat size (b)	0-18mm	1mm	±0.5mm	
	throat size	4, 5, 6, 7mm	—	±0.5mm	
	angle of preparation	50°, 60°	—	±1°	
	thickness	1.5, 2, 3.5mm	—	±0.2mm	

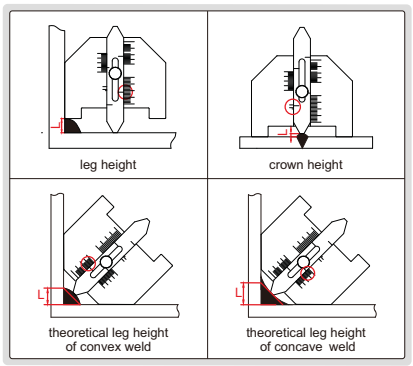
WELDING GAGE

- Made of stainless steel



4851-1



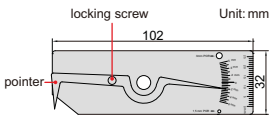


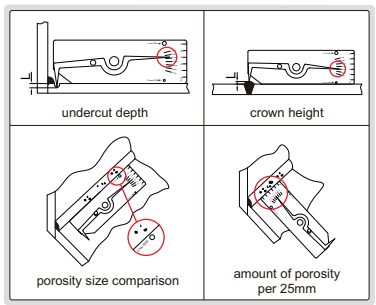
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4851-1	leg height	0-20mm	1mm	±0.5mm	1222
	crown height	0-3mm	—	±0.5mm	
	theoretical leg height of convex weld	0-20mm	1mm	±0.5mm	
	theoretical leg height of concave weld	0-20mm	1mm	±0.5mm	

WELDING GAGE

- Pointer can be locked for later reference
- Made of stainless steel

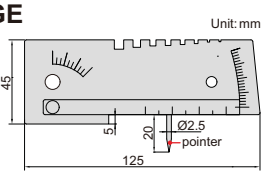
4834-1

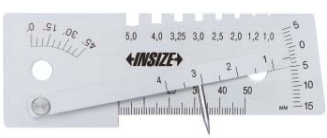




Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4834-1	undercut depth	0-6mm	0.5mm	±0.5mm	998
	crown height	0-6mm	0.5mm	±0.5mm	
	porosity size comparison	1.5mm, 3mm	—	±0.2mm	
	amount of porosity per 25mm	25mm	1mm	—	

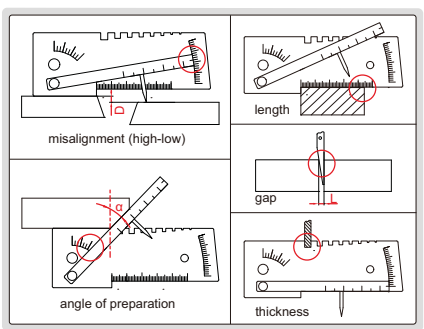
WELDING GAGE





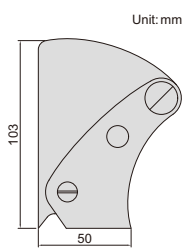
4848-1

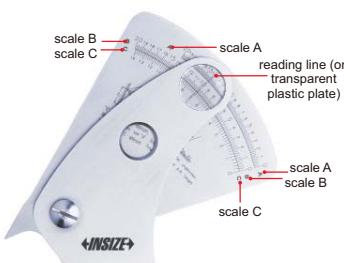
- Made of stainless steel



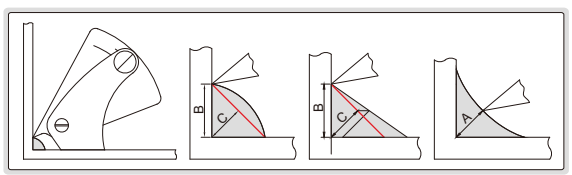
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4848-1	misalignment (high-low)	-5mm~+15mm	1mm	±0.5mm	1599
	angle of preparation	0°-45°	5°	±2.5°	
	length	0-50mm	1mm	±0.5mm	
	gap	1-4mm	0.5mm	±0.25mm	
	thickness	1, 1.2, 2.0, 2.5, 3.0, 3.25, 4.0, 5.0mm	—	±0.1mm	

WELDING GAGE





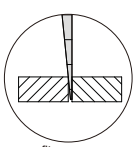
4840-1

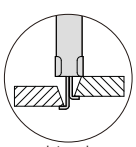


Code	Graduation	Accuracy	Price(₹)
4840-1	0.2mm	±0.3mm	2256

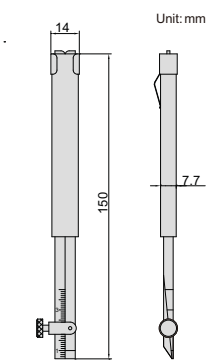
- Made of stainless steel

PIPE WELDING GAGE





4841-1



- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4841-1	internal misalignment	0-30mm	1mm	±0.5mm	2317
	fit-up gap	0.7-4mm	0.1mm	±0.1mm	

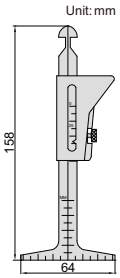
PIPE WELDING GAGE

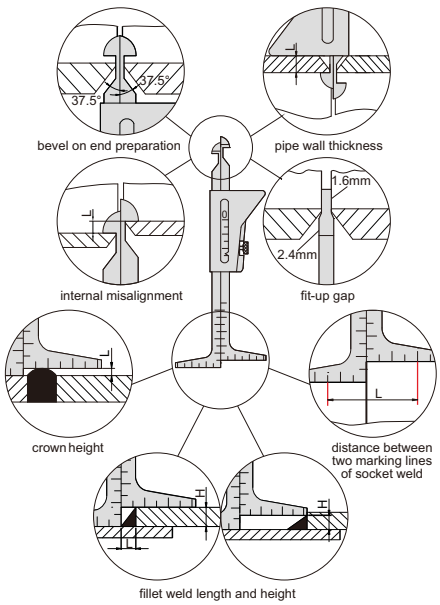
- Made of stainless steel

front

back

4839-1





Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4839-1	bevel on end preparation	37.5°	—	±1°	2799
	pipe wall thickness	0-45mm (0–1-3/4")	1mm (1/16")	±0.5mm	
	internal misalignment	0-35mm (0–1-3/8")	1mm (1/32")	±0.5mm	
	fit-up gap	1.6mm, 2.4mm	—	±0.1mm	
	crown height	0-35mm (0–1-3/8")	1mm (1/32")	±0.5mm	
	distance between two marking lines of socket weld	0-60mm (0–2-3/8")	1mm (1/16")	±0.5mm	
	fillet weld length	0-30mm (0–1-1/4")	1mm (1/16")	±0.5mm	
	fillet weld height	0-35mm (0–1-3/8")	1mm (1/32")	±0.5mm	

6-PIECE WELDING GAGE SET

- Includes:
  1) Welding gage (code **4834-1**)
  2) Fillet welding gage, size 3~25mm, 7 blades (code **4836-1**)
  3) Pipe welding gage (code **4841-1**)
  4) Telescoping inspection mirror, size of mirror Ø32mm, length 178~505mm (code **7160-1**)
  5) Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code **7119-150**)
  6) LED flashlight (code **ISGF-0501**)

Code	Price(₹)
5064	5317

5064

7-PIECE WELDING GAGE SET

- Includes:
  1) Welding gage (code **4834-1**)
  2) Welding gage (code **4851-1**)
  3) Pipe welding gage (code **4839-1**)
  4) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3203-25A**)
  5) Telescoping inspection mirror, size of mirror Ø32mm, length 178~505mm (code **7160-1**)
  6) Magnifier with illumination, magnification 4X (code **7513-4**)
  7) Steel rule, range 150mm/6", graduation 0.5mm, 1mm, 1/64", 1/32", 1/16" (code **7110-150**)

Code	Price(₹)
5071	6835

5071

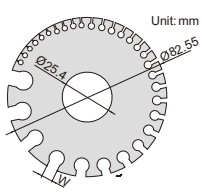
7-PIECE WELDING GAGE SET

- Includes:
  1) Welding gage (code **4834-1**)
  2) Welding gage (code **4851-1**)
  3) Fillet welding gage, size 3~25mm, 7 blades (code **4836-1**)
  4) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3203-25A**)
  5) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.005" (code **1108-150**)
  6) Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code **7119-150**)
  7) Magnifier with illumination, magnification 4X (code **7513-4**)

Code	Price(₹)
5072	7591

5072

AMERICAN STANDARD WIRE GAGE



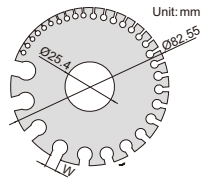
4808

- For gaging non-ferrous wire and metals such as copper, brass and aluminum
- Hardened and satin chrome finish

Code	Range	Price(₹)
4808	0-36 (8.250-0.127mm/ .3249-.0050")	1077

No.	W	No.	W	No.	W
0	8.250mm (.3249")	13	1.820mm (.0720")	26	0.404mm (.0159")
1	7.350mm (.2893")	14	1.630mm (.0641")	27	0.361mm(.0142")
2	6.540mm (.2576")	15	1.450mm (.0571")	28	0.320mm (.0126")
3	5.830mm (.2294")	16	1.290mm (.0508")	29	0.287mm (.0113")
4	5.190mm (.2043")	17	1.150mm (.0453")	30	0.254mm (.0100")
5	4.620mm (.1819")	18	1.020mm (.0403")	31	0.226mm (.0089")
6	4.110mm (.1620")	19	0.912mm (.0359")	32	0.203mm (.0080")
7	3.670mm (.1443")	20	0.813mm (.0320")	33	0.180mm (.0071")
8	3.260mm (.1285")	21	0.724mm (.0285")	34	0.160mm (.0063")
9	2.910mm (.1144")	22	0.643mm (.0253")	35	0.142mm (.0056")
10	2.590mm (.1019")	23	0.574mm (.0226")	36	0.127mm (.0050")
11	2.300mm (.0907")	24	0.511mm (.0201")		
12	2.050mm (.0808")	25	0.440mm (.0179")		

U.S. STANDARD SHEET METAL GAGE



4809

- For gaging sheet metal, plate iron and steel
- Hardened and satin chrome finish

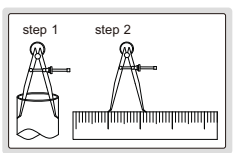
Code	Range	Price(₹)
4809	0-36 (7.938-0.179mm/.3125-.0070")	1077

No.	W	No.	W	No.	W
0	7.938mm (.3125")	13	2.381mm (.0938")	26	0.476mm (.0188")
1	7.144mm (.2813")	14	1.984mm (.0781")	27	0.437mm (.0172")
2	6.747mm (.2656")	15	1.786mm (.0703")	28	0.397mm (.0156")
3	6.350mm (.2500")	16	1.588mm (.0625")	29	0.357mm (.0141")
4	5.953mm (.2344")	17	1.429mm (.0563")	30	0.318mm (.0125")
5	5.556mm (.2188")	18	1.270mm (.0500")	31	0.278mm (.0109")
6	5.159mm (.2031")	19	1.111mm (.0438")	32	0.258mm (.0102")
7	4.763mm (.1875")	20	0.953mm (.0375")	33	0.238mm (.0094")
8	4.366mm (.1719")	21	0.873mm (.0344")	34	0.218mm (.0086")
9	3.969mm (.1563")	22	0.794mm (.0313")	35	0.198mm (.0078")
10	3.572mm (.1406")	23	0.714mm (.0281")	36	0.179mm (.0070")
11	3.175mm (.1250")	24	0.635mm (.0250")		
12	2.778mm (.1094")	25	0.556mm (.0219")		

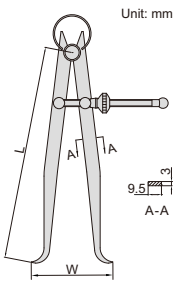
INSIDE SPRING CALIPERS

- Made of carbon steel

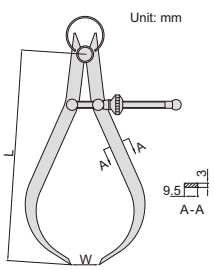
Code	Size (L)	Range (W)	Price(₹)
7261-150	150mm	20 - 170mm	560
7261-200	200mm	22 - 220mm	639
7261-250	245mm	30 - 270mm	862
7261-300	300mm	30 - 320mm	966



7261-150



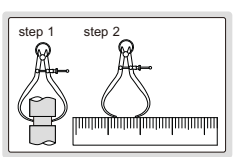
OUTSIDE SPRING CALIPERS



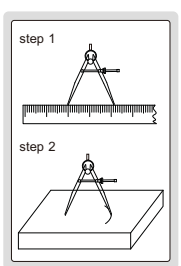
- Made of carbon steel

7262-150

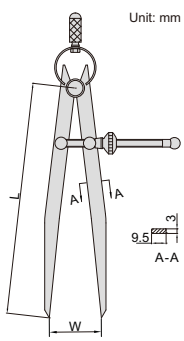
Code	Size (L)	Range (W)	Price(₹)
7262-150	155mm	0-140mm	560
7262-200	210mm	0-210mm	639
7262-250	265mm	0-270mm	913
7262-300	310mm	0-320mm	1041



SPRING DIVIDERS



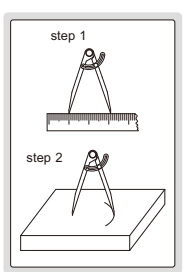
7260-150



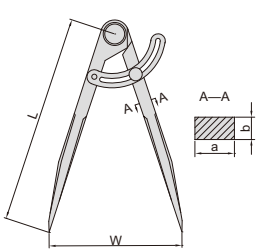
Code	Size (L)	Range (W)	Price(₹)
7260-150	150mm	0-150mm	560
7260-200	200mm	0-210mm	639
7260-250	245mm	0-260mm	862
7260-300	300mm	0-320mm	966

- Made of carbon steel
- Hardened points

DIVIDERS



7247-150



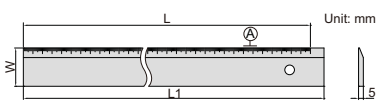
(mm)

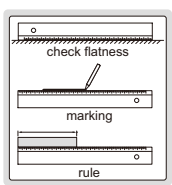
Code	Size(L)	Range(W)	a	b	Price(₹)
7247-150	150mm	0 - 140mm	8.5	7	365
7247-200	200mm	0 - 190mm	10	7	432
7247-300	300mm	0 - 290mm	12	7	630

- Made of carbon steel
- Hardened points

STRAIGHT EDGES

7111-300A



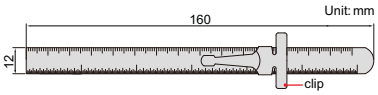


- Check flatness and straightness, as well as for marking
- Graduation on the beveled edge
- Made of hardened tool steel
- Chrome plated

Code	Range (L)	Straightness of A	L1	W	Price(₹)
7111-300A	300mm	0.02mm	320mm	40mm	2607
7111-500A	500mm	0.03mm	520mm	40mm	3993
7111-1000A	1000mm	0.04mm	1020mm	50mm	8805

POCKET RULE WITH SLIDING CLIP

7119-150

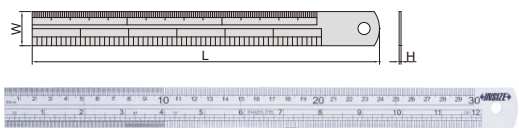


- With sliding clip, clip also can be used as depth gage base
- With inch/metric conversion table on the back
- Made of stainless steel

Code	Range	Graduation	Accuracy	Price(₹)
7119-150	150mm/6"	1mm, 1/64"	±0.15mm	60

STEEL RULES

ATTENTION: BASIC MODEL



7110-300

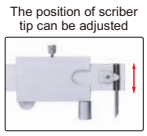
- Graduation: 0.5mm, 1mm, 1/64", 1/32", 1/16"
- Semi-flexible rules
- Made of stainless steel
- Non-glare surface

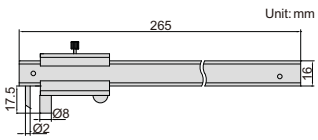
(mm)

Code	Range	Accuracy	L	W	H	Remark	Price(₹)
7110-150	150mm/6"	±0.15mm	170	18	1.0	graduation on front and back	73
7110-200	200mm/8"	±0.15mm	220	18	1.0	graduation on front and back	83
7110-300	300mm/12"	±0.15mm	330	25	1.0	graduation on front and back	129
7110-3001	300mm/12"	±0.15mm	325	30	1.0	graduation on front and back	160
7110-500	500mm/20"	±0.15mm	530	30	1.2	graduation on front and back	269
7110-600	600mm/24"	±0.20mm	630	30	1.2	graduation on front and back	303
7110-1000	1000mm/40"	±0.20mm	1040	32	1.5	graduation on front and back	602
7110-1200	1200mm/48"	±0.22mm	1240	35	1.8	graduation on front	1192
7110-1500	1500mm/60"	±0.25mm	1550	38	1.8	graduation on front	1537
7110-2000	2000mm/80"	±0.30mm	2065	40	2.0	graduation on front	2273

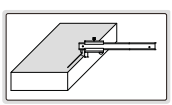
SCRIBER CALIPER

7202-200A



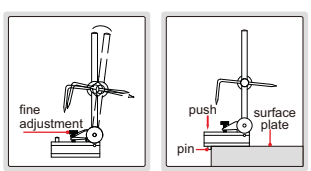


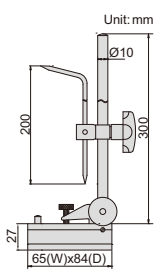
- Graduation: 0.1mm, 1/128"
- Made of stainless steel
- Satin chrome plated reading surface
- Carbide scriber tip
- Optional accessory: carbide scriber tip (code **SP-SCRIBER-7202**)



Code	Range	Accuracy	Price(₹)
7202-200A	0-200mm/0-8"	±0.1mm	2868

HEIGHT SCRIBER





6990-300A

- Grooved bottom for cylinder
- Two pins to be set against the edge of surface plate

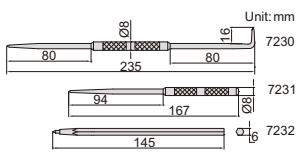
Code	Price(₹)
6990-300A	2060

SCRIBERS

7230
7231
7232

- Nickel plated

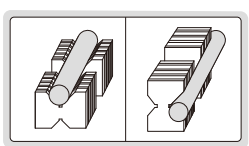
Code	Tip	Price(₹)
7230	hardened tips	208
7231	hardened tip	208
7232	carbide tip	227



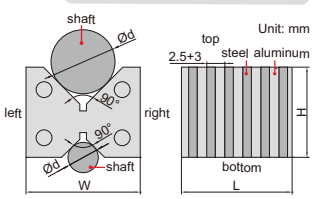
MAGNETIC INDUCTION V-BLOCK SET

ATTENTION: NO HARDENED SURFACE, DO NOT ROTATE WORKPIECES ON V-BLOCKS

6899-1



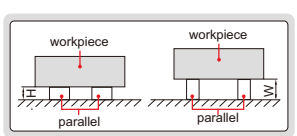
- Parallelism of both V grooves to top, bottom, left and right sides: 10μm
- Hold cylindrical workpieces for inspection and machining
- To be used on magnetic chucks
- Two V-blocks per set
- V groove on the top for large shafts
- V groove on the bottom for small shafts
- Hardness HRB70



Code	Size (LxWxH)	Range of shafts (Ød)	Pole pitch	Height difference of a matched pair	Price(₹)
6899-1	55x60x48mm	6-50mm	2.5+3mm	10μm	2927

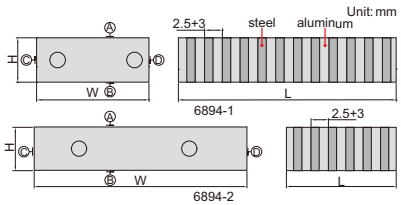
MAGNETIC INDUCTION PARALLEL SETS

ATTENTION: NO HARDENED SURFACE, DO NOT ROTATE WORKPIECES ON V-BLOCKS



6894-1

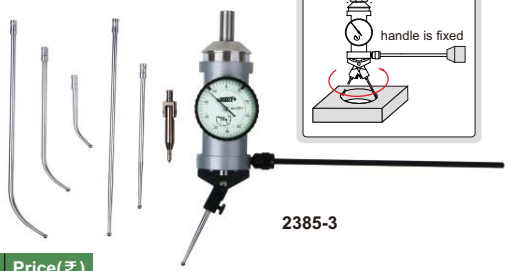
6894-2

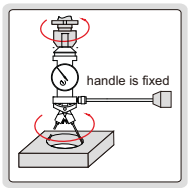


- To be used on magnetic chucks
- Two parallels per set
- Hardness HRB70

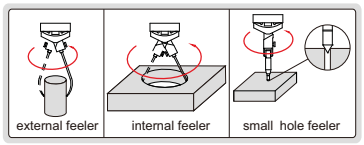
Code	Size (LxWxH)	Pole pitch	Parallelism between A and B	Parallelism between C and D	Height difference of a matched pair	Price(₹)
6894-1	100x50x25mm	2.5+3mm	10μm	10μm	10μm	4022
6894-2	50x100x25mm	2.5+3mm	10μm	10μm	10μm	4193

CENTERING INDICATOR

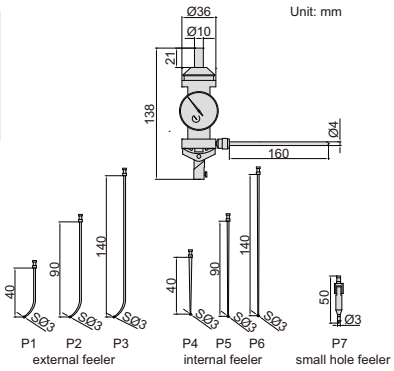




2385-3



Feeler	Measuring diameter	Accuracy
P1	Ø0-60mm	±0.04mm
P2	Ø0-160mm	±0.06mm
P3	Ø0-250mm	±0.08mm
P4	Ø3.2-80mm	±0.04mm
P5	Ø3.2-180mm	±0.06mm
P6	Ø3.2-280mm	±0.08mm
P7	Ø0-2.8mm	±0.04mm



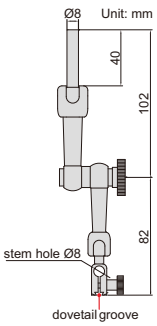
Code	Price(₹)
2385-3	8367

- Provides quick and accurate centering in boring and milling set-up

DIAL TEST INDICATOR CENTERING HOLDER

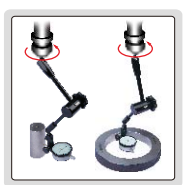
- Center cylinders or holes on machine tools
- Can be used with dial test indicators

6295-1A



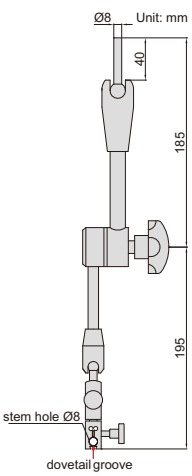
Code	Price(₹)
6295-1A	1621

INDICATOR CENTERING HOLDER



- Center cylinders or holes on machine tools
- Can be used with dial test indicators or dial indicators

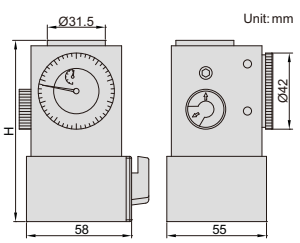
6294-1A

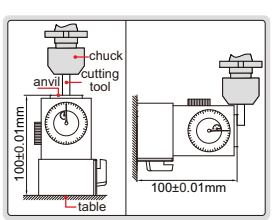


Code	Price(₹)
6294-1A	1962

ZERO SETTER

2394-100A



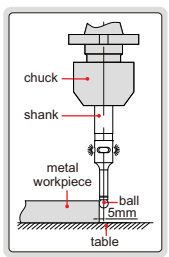


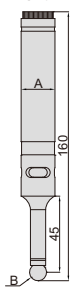
- Magnetic base with on-off switch
- Accuracy: ±10μm
- Test force: 9N (at 100mm)

Code	Height (H)	Price(₹)
2394-100A	100mm	15241

ELECTRONIC EDGE FINDERS

6566-2 6566-3



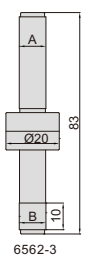


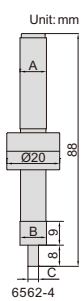
- Accuracy: 5μm
- The shank is electrically conducted to the metal workpiece through the chuck and table, the LED lights up and the beeper sounds (only for **6566-3**), when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball

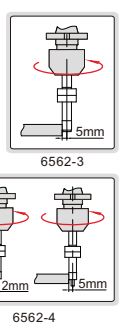
Code	Shank (A)	Contact ball (B)	Beeper	Battery	Price(₹)
6566-2	Ø20mm	SØ10mm	without	23AE, 12Vx1pc	4132
6566-3	Ø20mm	SØ10mm	with	23AE, 12Vx1pc	5345

EDGE FINDERS

6562-3 6562-4





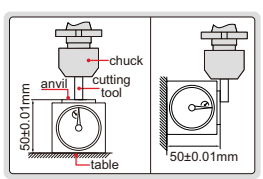


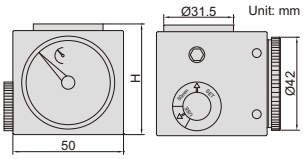
- Hardened shank and contact point

Code	Shank(A)	Contact point (B)	Contact point (C)	Accuracy	Price(₹)
6562-3	Ø10mm	Ø10mm	—	5μm	1546
6562-4	Ø10mm	Ø10mm	Ø4mm	5μm	1586

ZERO SETTER

2397-502A





- Magnetic base
- Accuracy: ±10μm
- Test force: 9N (at 50mm)

Code	Height (H)	Price(₹)
2397-502A	50mm	11717

DATA OUTPUT CABLES (KEYBOARD FORMAT)

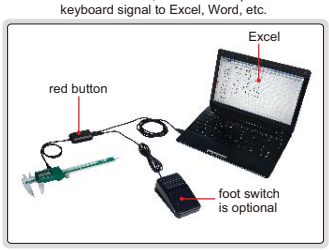
7302-SPC3A

7304-2

7302-HUB

VIDEO

Without software, data can be input as keyboard signal to Excel, Word, etc.



Code	Description	Plug type to product	Socket type on product	Plug type to computer	Applicable products	Price(₹)
7302-SPC5A	cable for digital calipers (length 2.5m)			USB	digital calipers, digital depth gages and digital height gages (not for **1103**)	4286
7302-SPC5B						4371
7302-SPC4	cable for **1103** (length 2.5m)				digital calipers **1103** series (for **1103** only)	6429
7302-SPC6	cable for digital micrometers (length 2.5m)				digital micrometers (not for **3631, 3632, 3108, 3109, 3635**)	4673
7302-SPC3A	cable for digital indicators (length 2.5m)				digital indicators; digital protractors	4615
7304-2	foot switch with cable (length 1.5m)					3021
7302-HUB	HUB converter (length 0.3m, four USB ports to computer)					717

DIGITAL HORIZONTAL SCALES

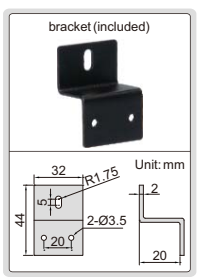
DATA OUTPUT

7101-300A

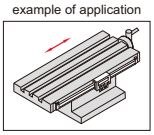
7101-400A

(mm)

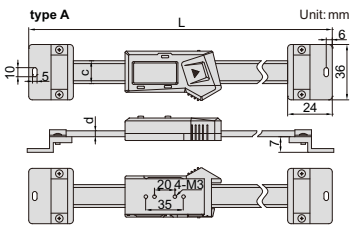
Code	Range	Type	Accuracy	L	c	d	Price(₹)
7101-100A	100mm	A	±0.02mm	215	16	4	3479
7101-150A	150mm	A	±0.03mm	265	16	4	4117
7101-200A	200mm	A	±0.03mm	315	16	4	5380
7101-300A	300mm	A	±0.04mm	445	16	4	7977
7101-400A	400mm	B	±0.05mm	590	24	5.5	10047
7101-500A	500mm	B	±0.05mm	690	24	5.5	12783
7101-600A	600mm	B	±0.08mm	790	24	5.5	15823
7101-800A	800mm	B	±0.10mm	990	24	5.5	23705
7101-1000A	1000mm	B	±0.10mm	1190	31	10.5	32674



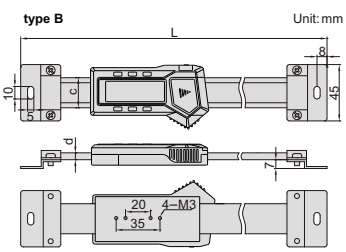
example of application



type A



type B



- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**))

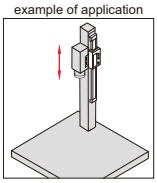
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Absolute and incremental measurement
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory: data output cable (code **7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A, 7305-A01/A02**)

DIGITAL VERTICAL SCALES

DATA OUTPUT

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ABS/INC is for absolute and incremental measurement
- TOL is for tolerance measurement
- Battery LR44
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory: data output cable (code **7301-SPC5**)

example of application



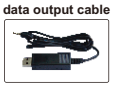
(mm)

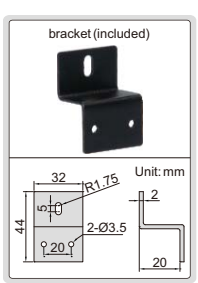
Code	Range	Accuracy	B	C	D	E	F	L	Price(₹)
7102-100	100mm/4"	±0.02mm	4	20	6	24	40	245	4679
7102-150	150mm/6"	±0.03mm	4	20	6	24	40	296	5672
7102-200	200mm/8"	±0.03mm	4	20	6	24	40	345	6185
7102-300	300mm/12"	±0.04mm	4	20	6	24	40	445	8797

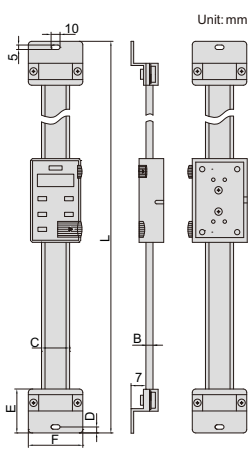
Sizes available up to 1000mm

7102-300

data output cable


7301-SPC5



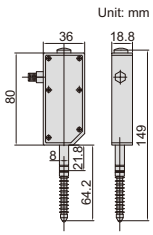


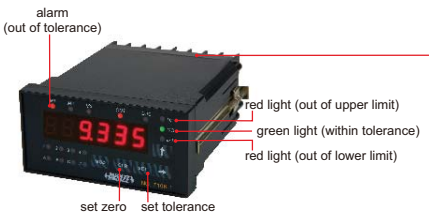
LINEAR GAGES AND DISPLAY UNIT

LINEAR GAGE IP65 WATERPROOF

VIDEO

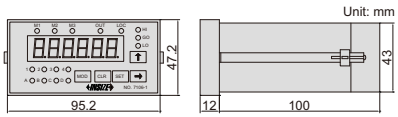
linear gage





display unit
7106-1

- Linear gage: shock-proof, water proof, dust proof, suitable for high speed movement, long working life
- Display unit: set tolerance and make judgment (out of upper limit, within tolerance, out of lower limit), output the judgment to control outside devices, set zero and hold reading from outside



LINEAR GAGE SPECIFICATION

Code	7106-11	7106-12
Price(₹)	10815	16821
Measuring range	12mm	12mm
Resolution	0.01mm	0.001mm
Accuracy	20μm	5μm
Hysteresis	10μm	2μm
Measuring principle	capacity system	
Voltage	5V	
Sampling frequency	100 times/sec.	
Working life	ten million times	
Dust/waterproof	IP65	
Measuring force	1.5N	
Cable length	2m	
Data output	four-core wire	

DISPLAY UNIT SPECIFICATION

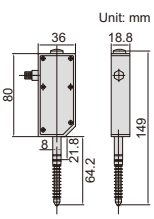
Code	7106-1
Price(₹)	9313
Display	6 digits
Quantity of linear gages to be connected	1pc
Tolerance	set tolerance and make judgment with alarm and lights (out of upper limit, within tolerance, out of lower limit)
Output control	output the tolerance judgment (out of upper tolerance, within tolerance, out of lower tolerance) to control outside devices
Outside control	control the display units from outside (set zero, hold reading)
Data output	connect to PC
Power supply	DC 9~24V

MULTI LINEAR GAGE SYSTEM

VIDEO

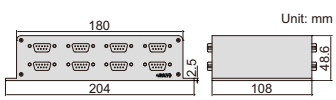
LINEAR GAGE IP65 WATERPROOF

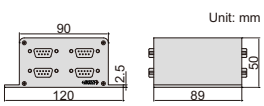
linear gage



4-channel interface box
7107-1

8-channel interface box
7107-2





software CD (included)

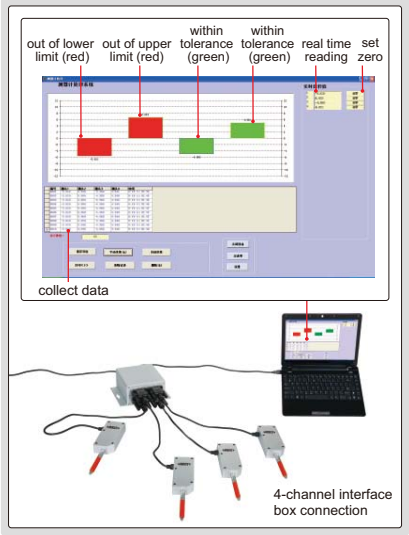
LINEAR GAGE SPECIFICATION

Code	7107-11	7107-12
Price(₹)	10815	16821
Measuring range	12mm	12mm
Resolution	0.01mm	0.001mm
Accuracy	20μm	5μm
Hysteresis	10μm	2μm
Measuring principle	capacity system	
Voltage	5V	
Sampling frequency	100 times/sec.	
Working life	ten million times	
Dust/waterproof	IP65	
Measuring force	1.5N	
Cable length	2m	
Data output	RS232	

- Software is supplied with interface boxes. In the software, it is possible to set tolerance of each channel and show judgment (red when out of tolerance, green when within tolerance), set zero, collect data manually or automatically (time is adjustable), output data to Excel, print report

INTERFACE BOX SPECIFICATION

Code	7107-1	7107-2
Price(₹)	9313	15319
Quantity of linear gages to be connected	4pcs	8pcs
Data port	RS232 and RS485	
Power supply	DC 9~24V	



PROFILE PROJECTOR
CODE ISP-Z3015

INSPECTION CERTIFICATE

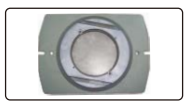
Screen diameter: 300mm

X-Y travel: 150x50mm

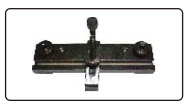
VIDEO

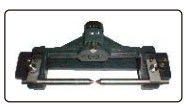
OPTIONAL ACCESSORY

lens


rotary table
(glass plate diameter 100mm)

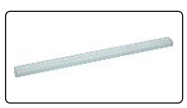
overlay chart
(protractor with 1° graduation, radius with 1mm increment)

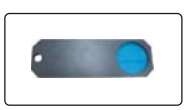

holder with clamp


swivel center support

V-block with clamp

50mm reading scale
(check magnification accuracy)


300mm calibration scale (check magnification accuracy together with 50mm reading scale or calibrate measuring accuracy)


blue filter

demo sample

SPECIFICATION

Price(₹)		513482			
Lens		10X (included)	20X (**optional**)	50X (**optional**)	100X (**optional**)
		Ø30mm	Ø15mm	Ø6mm	Ø3mm
		77.7mm	44.3mm	38.4mm	25.3mm
Max. workpiece height		90mm	90mm	90mm	90mm
Magnification accuracy		±0.08%			
Image		erect image			
Projector screen		diameter: Ø300mm			
		rotation range: 0°~360°, resolution: 1" or 0.01°			
		reference lines: cross-hairs			
Stage		340×152mm			
		196×96mm			
		range: 150×50mm			
		resolution: 0.5μm			
		accuracy: (4+L/25)μm L is the measuring length in mm			
		90mm			
		4kg			
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable			
		surface illumination: 24V/150W halogen lamp			
Data processing unit		X-Y stage travel, screen rotation			
		RS232C			
		measure coordinate of point measure coordinate of line measure center coordinate, radius of circle with three points measure distance between two objects measure angle with four points or two lines set origin of coordinate coordinate transform set midpoint of coordinate			
Power supply		110/220V, 50/60Hz			
Dimension (L×W×H)		550×770×1100mm			
Weight		135kg			

STANDARD DELIVERY

Main unit	1pc
10X lens with half-reflection mirror and oblique illuminator mirror	1pc
Overlay chart clip	4pcs
Foot-switch	1pc
Anti-dust cover	1pc

STANDARD DELIVERY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-Z3015-LENS20X
50X lens with half-reflection mirror	ISP-Z3015-LENS50X
100X lens with half-reflection mirror	ISP-Z3015-LENS100X
Rotary table	ISP-Z3015-TABLE
Overlay chart	ISP-Z3015-CHART
Holder with clamp	ISP-Z3015-HOLDER
Swivel center support	ISP-Z3015-SUPPORT
V-block with clamp	ISP-Z3015-VBLOCK
50mm reading scale	ISP-Z3015-SCALE50
300mm calibration scale	ISP-Z3015-RULE
Blue filter	ISP-Z3015-FILTER
Demo sample	ISP-Z3015-DEMO

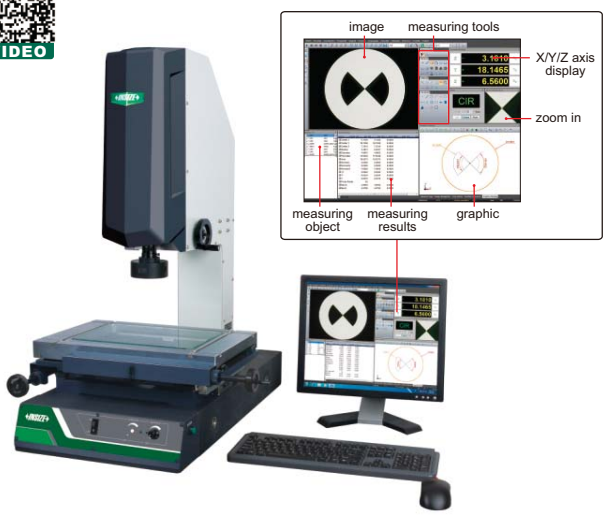
VISION MEASURING SYSTEM

INSPECTION CERTIFICATE

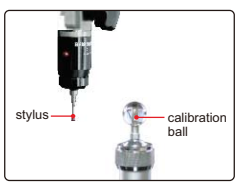
VIDEO

SPECIFICATION

Code	ISD-V150	ISD-V250	ISD-V300
Price(₹)	406623	458484	505451
Measuring range (X×Y×Z)	150×100×200mm	250×150×200mm	300×200×200mm
Stage size	354×228mm	450×280mm	500×330mm
Stage glass size	210×160mm	306×196mm	350×250mm
Resolution of X/Y/Z axis	0.5μm		
Accuracy of X/Y axis	≤(2.5+L/100)μm (L is the measuring length in mm)		
Repeatability of X/Y axis	2μm		
Objective	0.7X~4.5X (zoom)		
Working distance	92mm		
Magnification	33X~195X (on 19" monitor)		
Camera	1/3" color CCD, 1.5M pixel		
Illumination	surface and contour with adjustable LED		
Max. height of workpiece	160mm		
Max. weight of workpiece	20kg		
Operation system	Windows 7/8/10		
Drive method	manual		
Power supply	110/220V, 50/60Hz		
Dimension (L×W×H)	560×540×850mm	760×600×900mm	760×600×900mm
Weight	100kg	120kg	140kg



ISD-V250 computer is not included



probe (**optional**), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10μm

lens with coaxial light (**optional**, must be installed in factory)

software CD (included)

STANDARD DELIVERY

Main unit	1pc
Video card with dongle	1pc
Software disc	1pc
Calibration glass chart	1pc
Laser positioner	1pc
Clay	1pc
Foot switch	1pc
Anti-dust cover	1pc

OPTIONAL ACCESSORY

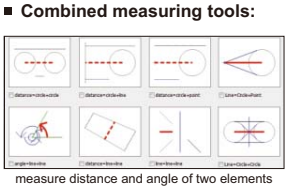
0.5X auxiliary objective	Code: **ISD-V-OB05X** Working distance: 175mm Magnification: 16.5~97.5X (on 19" monitor)
2X auxiliary objective	Code: **ISD-V-OB2X** Working distance: 36mm Magnification: 66~390X (on 19" monitor)
Probe	Code: **ISD-V-PROBE** Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Lens with coaxial light	Code: **ISD-V-LENS** (must be installed in factory)
Vision measuring system with computer	Code: **ISD-V150A, ISD-V250A, ISD-V300A**

SOFTWARE

- **Operation system:** Windows 7/8/10
- **Language:** English
- **Single measuring tools:**

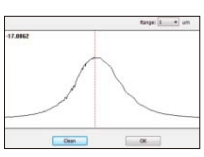
- measure coordinate of point
- measure center coordinate and axis length of ellipse
- measure length of open curve
- measure distance of two elements
- measure center coordinate, diameter and area of circle
- measure length, width and area of rectangle
- measure length and area of close curve
- measure distance between two points
- measure length, width and diameter of key slot
- measure angle of two lines
- measure length and diameter of arc
- measure width and diameter of ring
- measure focus distance of urface

- **Combined measuring tools:**

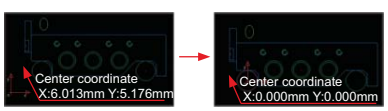


measure distance and angle of two elements

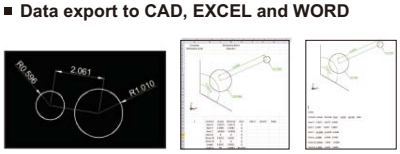
- **Focus indicator:**



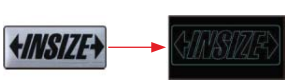
- **Coordinate transfer:**



- **Data export to CAD, EXCEL and WORD**

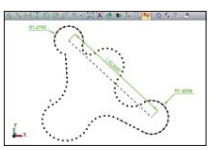


- **Profile detection:**

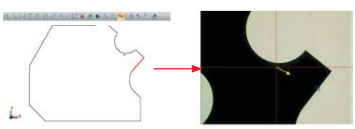


- **Edge-detection:**

- **Contour scanning:**

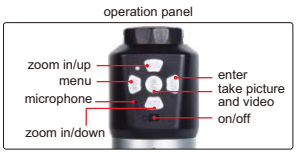


- **CAD measuring:**



Input CAD drawing and set reference, then move the stage to make the target box in the center of crosshair, the software will do automatic measurement

DIGITAL MEASURING MICROSCOPE
CODE ISM-DM40



VIDEO

TAKE PICTURES AND VIDEOS

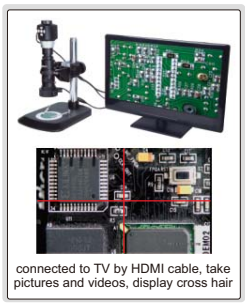
MEASUREMENT (ON COMPUTER)

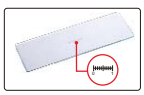
FOCUS DISTANCE OF CAMERA IS ADJUSTABLE

- Connected to TV and computer
- Take pictures and videos, saved to memory card
- Measurement on computer with accuracy ±0.01mm
- Large working distance because focus distance of camera is adjustable
- Automatic white balance and exposure, white-black display mode
- Automatic power off

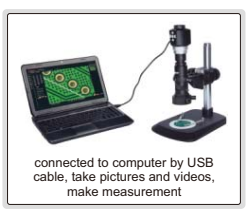
software CD (included)

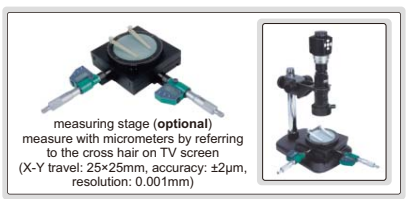
8G memory card and holder (included)


connected to TV by HDMI cable, take pictures and videos, display cross hair


calibration rule (included, graduation 0.1mm)

calibration rule (included, graduation 1mm)


connected to computer by USB cable, take pictures and videos, make measurement


measuring stage (**optional**) measure with micrometers by referring to the cross hair on TV screen (X-Y travel: 25×25mm, accuracy: ±2μm, resolution: 0.001mm)

SPECIFICATION

Price(₹)		**52491**
Magnification		15X~205X (on 19" monitor)
Pixel		3.5M
Sensor		1/3" CMOS
Resolution	**HDMI output**	1920×1080, 1280×720, 640×480
	picture	2304×1536, 2304×1296, 1920×1080, 1280×720, 800×480
	video	1920×1080, 1280×720, 800×480
Output		USB/HDMI
Power supply		5V (>500mA)
Dimension (L×W×H)		273×205×310mm
Weight		3.5kg

STANDARD DELIVERY

Main unit	1pc
8G memory card and holder	1pc
HDMI cable (for TV)	1pc
USB cable and software (for computer)	1pc
Calibration rule (graduation 0.1mm)	1pc
Calibration rule (graduation 1mm)	1pc

OPTIONAL ACCESSORY

Measuring stage	**ISM-DM40-STAGE**

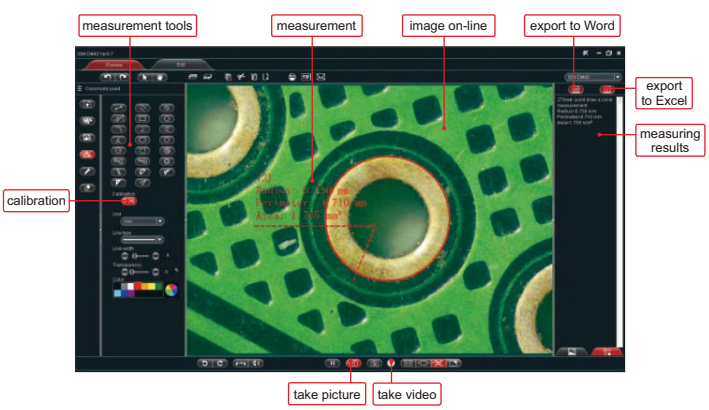
LENS SCALE, MAGNIFICATION AND FOCUS DISTANCE

Lens scale	Magnification (on 19" monitor)	Focus distance (mm)
0.7X	15~40X	24~252
1X	30~50X	27~155
2X	70~80X	81~117
3X	110~120X	94~111
4X	140~160X	101~110
5X	180~205X	103~109

MAGNIFICATION, VIEW FIELD AND FOCUS DISTANCE

Magnification (on 19" monitor)	View filed (mm)	Focus distance
15X	28×16	252mm
30X	13.5×7.5	155mm
50X	8×4.8	124mm
100X	4.2×2.4	110mm
150X	2.7×1.5	108mm
200X	2.1×1.2	105mm

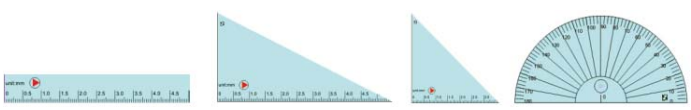
SOFTWARE FOR COMPUTER



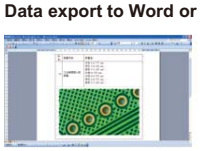
- **Language**: Chinese, English, Japanese, German, French
- **Operation system**: Windows XP/7/8/10
- **Measurement tools:**

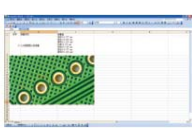
measure length of line or distance between two points
measure length of continuous line
measure radius, length and angle of arc
measure angle with three points
measure distance between two circles
measure distance between two parallel lines
measure length, width, girth and area of rectangle
measure distance between point and line
measure axis lengths, girth and area of ellipse
measure center distance between parallel lines
measure circumference and area of polygon
measure angle with two lines
measure radius, girth and area of circle

- **Comparison tools:**
  Create rule, angle or protractor, to compare with workpieces.


rule 30°angle 45°angle protractor

- **Data export to Word or Excel:**

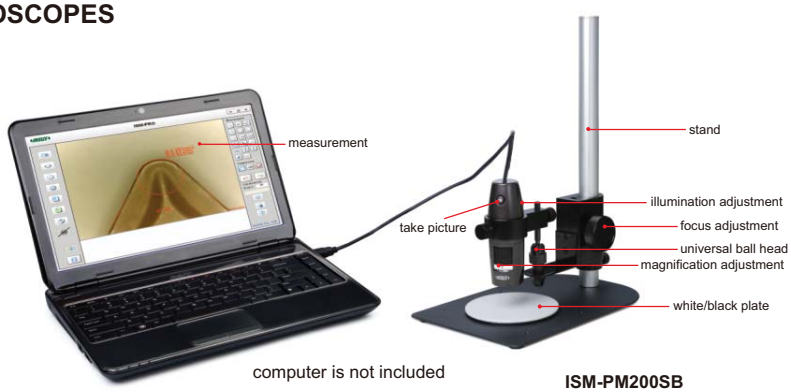

Word


Excel

DIGITAL MEASURING MICROSCOPES

VIDEO

put the digital microscope directly on the workpiece for inspection and measurement

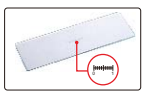


computer is not included

ISM-PM200SB

focus support (included)

calibration rule (graduation 1mm, included)


calibration rule (graduation 0.1mm, included)

software CD (included)

filter (**optional**)

- Can take pictures and videos
- Supplied with software

SPECIFICATION

Code	ISM-PM200SB	ISM-PM600SB	ISM-PM160LA
Price(₹)	18070	20498	19035
Magnification	10X~200X	450X~600X	35X~160X
Type	short focus distance	short focus distance	long focus distance
Focus support	included	not included	not included
Calibration rule	graduation 0.1 and 1mm	graduation 0.1mm	graduation 0.1 and 1mm
Pixel	2M (resolution: 1600x1200)		
Ilumination	built-in adjustable LED		
Power supply	USB 2.0 cable (voltage required: 5±0.1V)		

stand (included)

OPTIONAL ACCESSORY

Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE

MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

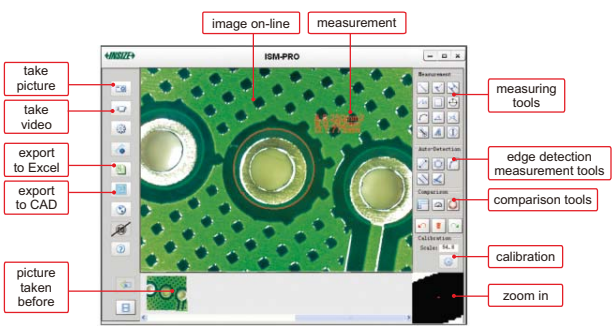
ISM-PM200SB			
Magnification	Focus distance	View field (mm)	Accuracy
50X	21mm	8.1×6.4	30μm
100X	13mm	3.9×3.1	15μm
150X	16mm	2.6×2.1	10μm
200X	19mm	1.8×1.5	8μm

ISM-PM600SB			
Magnification	Focus distance	View field (mm)	Accuracy
450X	1.4mm	0.85×0.67	6μm
500X	5.5mm	0.76×0.61	6μm
550X	8.6mm	0.69×0.55	5μm
600X	11.5mm	0.63×0.51	5μm

ISM-PM160LA			
Magnification	Focus distance	View field (mm)	Accuracy
50X	62mm	8.1×6.4	30μm
100X	45mm	3.9×3.1	15μm
160X	50mm	2.4×1.9	10μm

SOFTWARE

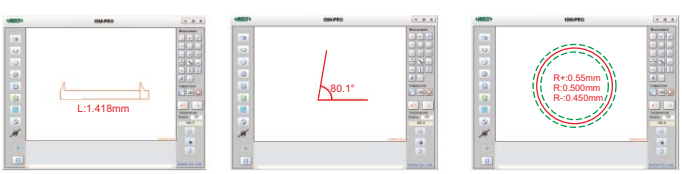
- Language: English, Japanese, Korean, German, Turkey, Portuguese, Chinese
- Operation system: Windows 7/8/XP/Vista
- **Measurement:**
  - measure length of line or distance between two points
  - measure distance between point and line
  - measure distance between two parallel lines
  - measure length of continuous line
  - measure area of rectangle
  - measure radius, girth and area of circle
  - measure radius, length and angle of arc
  - measure distance between two circles
  - measure angle with three points
  - measure angle with two lines
  - add text
  - add number with circle
- **Edge detection measurement:**
  - detect line automatically, and calculate length
  - detect arc automatically, and calculate radius, angle and arc length
  - detect two lines automatically, and calculate angle
  - detect circle automatically, and calculate radius, girth and area
  - detect two parallel lines automatically, and calculate distance



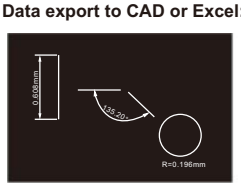
- **Comparison:**

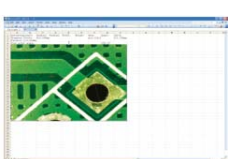
  Create line, angle or circle with desired size, to compare with workpieces.

create line | create angle | create circle with tolerance



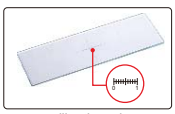
- **Data export to CAD or Excel:**



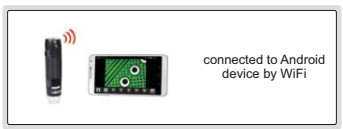


WiFi DIGITAL MEASURING MICROSCOPE
CODE ISM-WF200

calibration rule
(graduation 1mm, included)


calibration rule
(graduation 0.1mm, included)

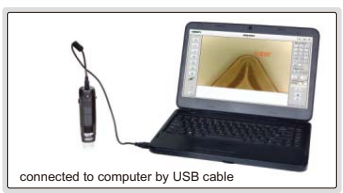
software CD
(included)



- Maximum working distance is 5m under WiFi mode
- Can be connected to multiple iPads, Android devices or computers at the same time under WiFi mode
- Take pictures and videos
- Supplied with software

stand (code: **ISM-WSTD**, **optional**)

filter (**optional**)



SPECIFICATION

Price(₹)	15213
Magnification	10X~200X
Pixel	1.3M (resolution: 1280x1024)
Illumination	built-in adjustable LED
Power supply	built-in rechargeable battery

STANDARD DELIVERY

Microscope	1pc
Base support	1pc
Focus support ring for 80X/150X	1pc
Focus support ring for 60X/200X	1pc
Calibration rule (graduation 0.1mm)	1pc
Calibration rule (graduation 1mm)	1pc
USB cable and software	1pc
AC/DC adapter	1pc

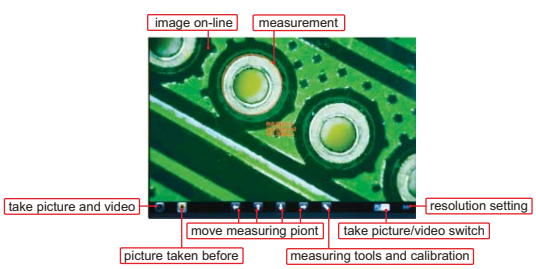
OPTIONAL ACCESSORY

Stand	ISM-WSTD
Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE

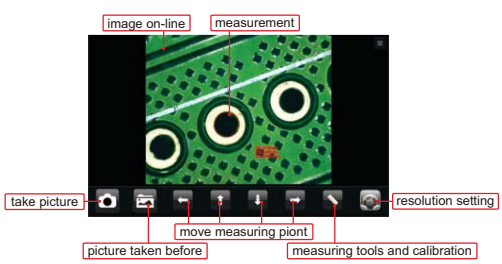
MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

Magnification	Focus distance	View field	Accuracy
50X	21mm	8.1×6.4mm	30μm
100X	13mm	3.9×3.1mm	15μm
150X	16mm	2.6×2.1mm	10μm
200X	19mm	1.8×1.5mm	8μm

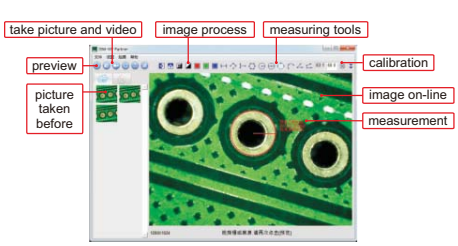
❶ Software ISM-PAD (for iPad by WiFi)



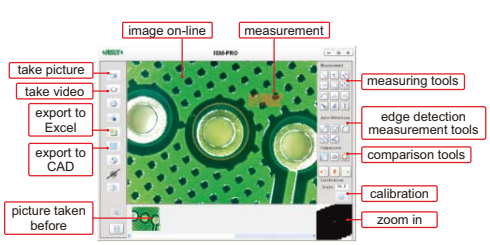
❷ Software ISM-APK (for Android devices by WiFi)



❸ Software ISM-WF Partner (for computer by WiFi)



❹ Software ISM-PRO (for computer by USB cable)



TV DIGITAL MICROSCOPES

ATTENTION: NOT FOR MEASURMENT, NOT SUITABLE FOR COMPUTERS

stand (code: **ISM-WSTD**, **optional**)

- Connect to TV directly
- For observation, cannot take pictures and videos

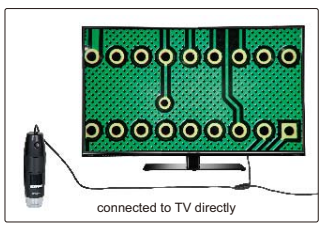
ISM-TV200 (with wire)

ISM-TV200W (wireless)

SPECIFICATION

Code	ISM-TV200	ISM-TV200W
Price(₹)	7939	12407
Type	with wire	wireless (maximum transmission distance 5m)
Magnification	10X~200X (on 17" TV)	
Pixel	0.35M	
Illumination	adjustable brightness LED	
Focus	supplied with focus ring, stand (**ISM-WSTD**) is optional	
Power supply	DC	built-in rechargeable battery

filter (**optional**)



MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

ISM-TV200			ISM-TV200W		
Magnification	Focus distance	View field	Magnification	Focus distance	View field
50X	21mm	8.1x6.4mm	60X	19mm	6.9x5.2mm
100X	13mm	3.9x3.1mm	80X	16mm	5.0x3.8mm
150X	16mm	2.6x2.1mm	150X	16mm	2.6x2.1mm
200X	19mm	1.8x1.5mm	200X	19mm	1.8x1.5mm

OPTIONAL ACCESSORY

Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE

ZOOM STEREO MICROSCOPES

SPECIFICATION

Code	ISM-ZS50	ISM-ZS50T
Price(₹)	67784	67876
Optical tube	binocular	trinocular
Eyepiece (wide field)	10X (view field: Ø22mm)	
Objective	0.8X~5X (zoom)	
Zoom ratio	1:6.3	
Pupil distance	55-75mm (adjustable)	
Diopter adjustment	±5 diopter (two eyepieces)	
Working distance of objective	115mm	
Max. workpiece height	215mm	
Illumination	adjustable reflected and transmitted LED light	
Power supply	110/220V, 50/60Hz	
Dimension (L×W×H)	290x260x480mm	
Weight	4.9kg	

ISM-ZS50

STANDARD DELIVERY

Main unit	1pc
WF10X eyepiece	2pcs
Ø100mm glass plate	1pc
Ø100mm white/black plate	1pc
Anti-dust cover	1pc

OPTIONAL ACCESSORY

Auxiliary objective	0.5X	ISM-ZS50-OB05X
	2X	ISM-ZS50-OB2X
Eyepiece	10X dividing eyepiece(0.1mm/div.)	ISM-ZS50-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Digital camera		ISM-D500

ZOOM STEREO MICROSCOPE
CODE ISM-ZS30

SPECIFICATION

Price(₹)	32825
Optical tube	binocular
Eyepiece (wide field)	10X (view field: Ø20mm)
Objective	1X~4.5X (zoom)
Zoom ratio	1:4.5
Pupil distance	55~75mm (adjustable)
Diopter adjustment	±5 diopter (two eyepieces)
Working distance of objective	97mm
Max. workpiece height	147mm
Illumination	adjustable reflected and transmitted LED light
Power supply	110/220V, 50/60Hz
Dimension (L×W×H)	260×190×400mm
Weight	4.3kg

STANDARD DELIVERY

Main unit	1pc
WF 10X eyepiece	2pcs
Ø95mm glass plate	1pc
Ø95mm white/black plate	1pc
Anti-dust cover	1pc

OPTIONAL ACCESSORY

Auxiliary objective	0.5X	ISM-ZS30-OB05X
	0.63X	ISM-ZS30-OB06X
	0.75X	ISM-ZS30-OB07X
	2X	ISM-ZS30-OB2X
Eyepiece	10X dividing eyepiece (0.1mm/div.)	ISM-ZS30-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Digital camera		ISM-D500

PORTABLE MEASURING MICROSCOPES

ISM-PM100

SPECIFICATION

Code	ISM-PM20	ISM-PM40	ISM-PM50	ISM-PM100
Price(₹)	8636	7996	9400	8129
Total magnification	20X	40X	50X	100X
Eyepiece	10X with graduation	10X with graduation	10X with graduation	10X with graduation
Objective (achromatic)	2X (numerical aperture: 0.05)	4X (numerical aperture: 0.1)	5X (numerical aperture: 0.12)	10X (numerical aperture: 0.25)
Working distance	17.2mm	18mm	17.6mm	7mm
Graduation	0.05mm	0.025mm	0.02mm	0.01mm
Viewing field	Ø9mm	Ø4.5mm	Ø3.6mm	Ø1.8mm
Focus range	30mm			
Illumination	LED light			
Diameter of base	Ø63mm			
Height	210mm			
Weight	650g			

STANDARD DELIVERY

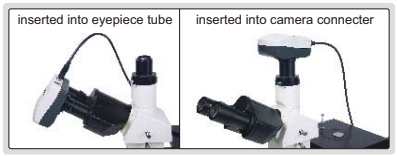
Main unit	1pc
Pen light	1pc
Battery (AAA)	2pcs

DIGITAL CAMERA
CODE ISM-D500

VIDEO

- Insert into eyepiece tube or camera connecter of microscopes
- Supplied with software

application



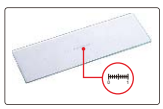
software CD (included)

SPECIFICATION

Price(₹)	22893
Sensor	1/2.5" CMOS
Pixel	5M
Resolution	2592×1944 or 1296×972
Frame rate	3fps (2592×1944)
	12fps (1296×972)
Exposure	manual or auto, exposure time is adjustable
SNR	41dB
Power supply	USB
Weight	400g

STANDARD DELIVERY

Main body	1pc
Adapter 0.45X	1pc
Calibration rule (graduation 0.1mm)	1pc
Connector Ø23.2/Ø30mm	1pc
USB cable	1pc
Software disc	1pc



calibration rule
(graduation 0.1mm, included)

connector Ø23.2/Ø30mm
(included)

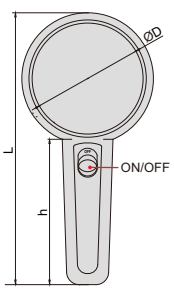
OPTIONAL ACCESSORY

Connector Ø23.2/Ø30.5mm	ISM-DCA-CON

MAGNIFIERS WITH ILLUMINATION

7513-2

7513-4

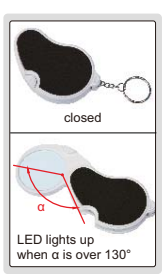


- Glass lens
- Powered by 3xAAA batteries (included)

(mm)

Code	Magnification	Lens diameter (ØD)	L	h	Price(₹)
7513-2	2X	Ø75mm	170	90	346
7513-4	4X	Ø50mm	145	90	317

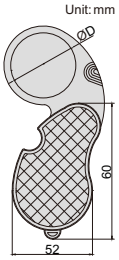
FOLDING MAGNIFIER WITH ILLUMINATION



7514-1

VIDEO

Unit: mm



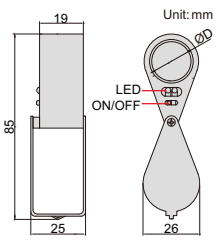
- Plastic lens
- Powered by 2xCR1620 batteries (included)
- LED lights up automatically when α is over 130°

Code	Magnification	Lens diameter (ØD)	Price(₹)
7514-1	2.5X	Ø45mm	300

FOLDING MAGNIFIER WITH ILLUMINATION

7515-10

Unit: mm



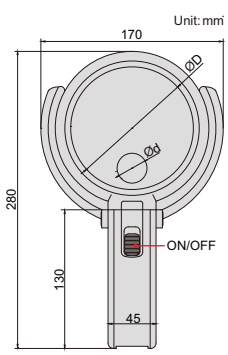
- Glass lens
- Powered by 3xLR927 batteries (included)

Code	Magnification	Lens diameter (ØD)	Price(₹)
7515-10	10X	Ø21mm	380

THREE WAYS MAGNIFIER WITH ILLUMINATION

7512-1

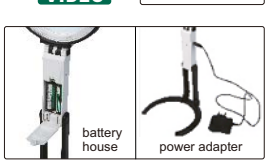
Unit: mm



VIDEO

- Plastic lens
- Powered by 2xAA batteries (included) or power adapter (110~240V, 50~60Hz)

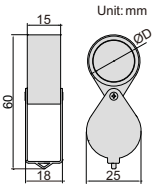
three-ways use



Code	Magnification	Lens diameter (ØD)	Lens diameter (Ød)	Price(₹)
7512-1	2X/4X	Ø120mm	Ø28mm	1024

FOLDING MAGNIFIER

7511-8



- Glass lens

Code	Magnification	Lens diameter (ØD)	Price(₹)
7511-8	8X	Ø21mm	138

TABLE MAGNIFIER WITH ILLUMINATION CODE 7516-5D

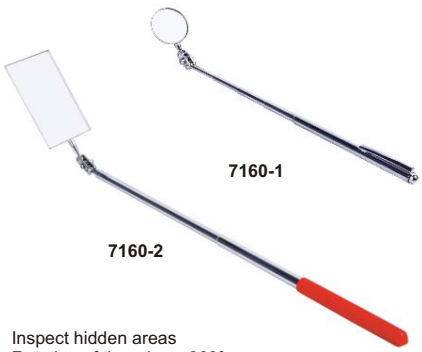
7516-5D

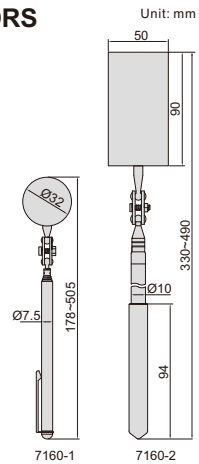
- LED illumination, working life 20000h

SPECIFICATION

Price(₹)	3590
Magnification	2.25X
Diopter	5D
Lens diameter	Ø122mm
Illumination	power: 7W, illuminance: 420lm
Power supply	100~240V, 50~60Hz

TELESCOPING INSPECTION MIRRORS

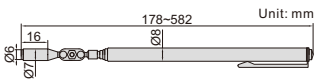




- Inspect hidden areas
- Rotation of the mirror: 360°
- Length of the handle is adjustable, the handle is made of brass and chrome plated

Code	Size of mirror	Length	Price(₹)
7160-1	Ø32mm	178~505mm	454
7160-2	50x90mm	330~490mm	1086

TELESCOPING MAGNETIC PICK-UP



7161-1

- Pick up metal parts from hidden areas
- Rotation of the magnetic head: 360°
- Length of the handle is adjustable, the handle is made of brass and chrome plated

Code	Size of magnetic tip	Magnetic force	Length	Price(₹)
7161-1	Ø6mm	0.45kgf	178~582mm	489

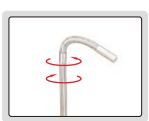
MANUAL 360° SWIVEL VIDEOSCOPES

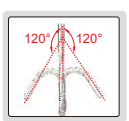
ATTENTION: THE CABLE CAN BE BENT BUT CAN'T BE SET AT A FIXED SHAPE

STEEL WIRE WEAVED CABLE RESISTANCE TO BREAK AND WEAR

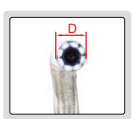
IP65 WATERPROOF

bend in any direction

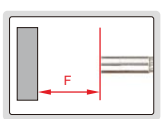

360° swivel in clockwise and counter-clockwise



bend within ±120°



lens with LED adjustable illumination



focus distance

angle of view: 100°

SPECIFICATION

Code		ISV-2000D	ISV-3000D
Price(₹)		242167	416967
Lens	diameter (D)	6.5mm	4.5mm
	focus diatance (F)	15mm~∞	8~80mm
	illumination	8pcs LED	6pcs LED
	pixel	0.35M	
	resolution	640x480	
	dust/waterproof	IP65	
	bend control	manual joystick	
Cable	length	1.5m	
	type	steel wire weaved cable	
Main unit	function	take picture, take video	
	file format	picture: JPG, video, AVI	
	image process	brightness, image quality zoom(1X, 2X, 3X, 4X, 5X)	
	memory	8G SD card	
	output	TV, USB	
	power supply	rechargeable battery (for 2 hours working) AC/DC adapter (for continuous working)	
Weight		650g	600g

ISV-2000D

STANDARD DELIVERY

Main unit	1pc
Cable with lens	1pc
8G SD card	1pc
AC/DC adapter	1pc
Video output cable	1pc
USB cable	1pc

OPTIONAL ACCESSORY

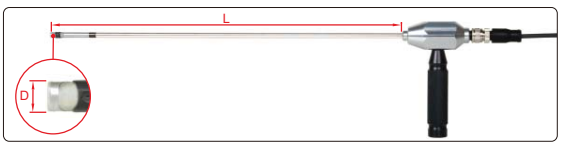
Base	ISV-2000D-BASE

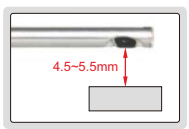
base (**optional**)

SIDE VIEW VIDEOSCOPE (RIGID)
CODE ISV-RV

IP57 WATERPROOF

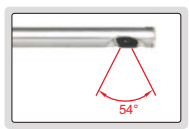
VIDEO





focus distance

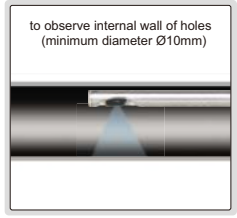
side view

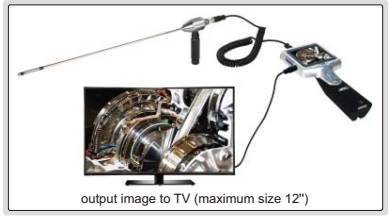


angle of view

SPECIFICATION

Price(₹)	77483
Diameter (D)	5.5mm
Length (L)	350mm
Dust/waterproof lens	IP57
Pixel	0.3M
Resolution	640x480
Frame rate	30fps
Function	take picture, take video
File format	picture: JPG, video: AVI
Memory	2G SD card
Output	TV, USB
Power supply	rechargeable battery (for 3 hours working)
Weight	570g





STANDARD DELIVERY

Main unit	1pc
2G SD card	1pc
AC/DC adapter	1pc
Video output cable	1pc
USB cable	1pc

VIDEOSCOPE
CODE ISV-E10

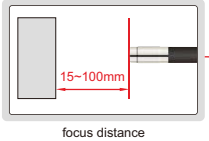
ATTENTION: THE CABLE CAN BE BENT BUT CAN'T BE SET AT A FIXED SHAPE

STEEL WIRE WEAVED CABLE RESISTANCE TO BREAK AND WEAR

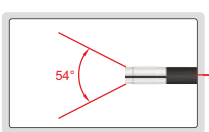
OPTIONAL CABLE LENGTH 3M, 5M AND 10M

IP65 WATERPROOF

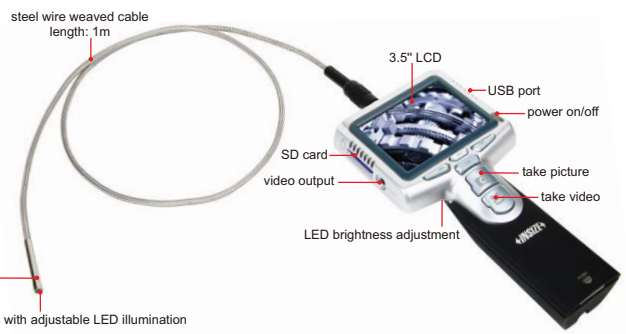
VIDEO



focus distance



angle of view

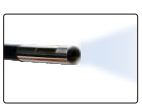


SPECIFICATION

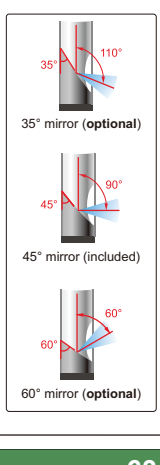
Price(₹)		71247
Lens	diameter	5.5mm
	pixel	0.3M
	resolution	640×480
Cable	frame rate	30fps
	length	1m
Main unit	type	steel wire weaved cable
	function	take picture, take video
	file format	picture: JPG, video: AVI
	image process	brightness, contrast, color saturation
	memory	2G SD card
	output	TV, USB
	power supply	rechargeable battery (for 3 hours working)
Weight		450g

STANDARD DELIVERY

Main unit	1pc
Cable with lens	1pc
2G SD card	1pc
45° mirror	1pc
AC/DC adapter	1pc
Video output cable	1pc
USB cable	1pc
Lens cleaning kit	1pc


front view

side view (with mirror)



OPTIONAL ACCESSORY

35° mirror	ISV-E55-M35
60° mirror	ISV-E55-M60

ROUGHNESS TESTER
CODE ISR-C002

CAN BE CONTROLLED BY COMPUTER

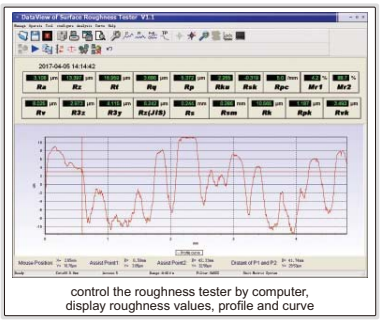
DATA OUTPUT

- 21 roughness parameters
- Connected with printer via bluetooth
- Display roughness values, profile and curve
- Memory of maximum 100 results
- Automatic power off

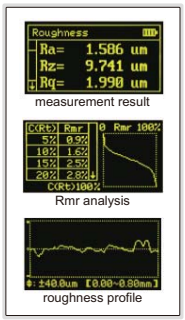
adjustable stand (included)

probe cover (included)

measuring software for PC (included)



screen display



light duty test stand (**optional**)

heavy duty test stand (**optional**)

software CD (included)

wireless printer (**optional**)

SPECIFICATION

Price(₹)		**100308**
Parameters		Ra, Rz, Rq, Rv, Rp, RS, R3z, R3y, Rt, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry (JIS), Rmax
Range		160μm
Accuracy		±10%
Resolution (Ra)		0.001μm
Probe	**type**	inductive
	stylus radius/angle	5μm/90°
	stylus material	diamond
Measuring force		4mN
Measuring unit		μm/μin
Cut off		0.25/0.8/2.5mm
Number of cut-offs		1 to 5
Traverse speed		0.5mm/s, 1mm/s
Memory		100 measurement results
Output		USB and bluetooth
Power		built-in rechargeable battery
Dimension (L×W×H)		141×55×40mm
Weight		400g

STANDARD DELIVERY

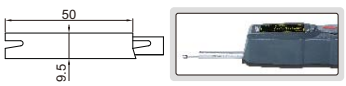
Main unit	1pc
Standard probe	1pc
Calibration block and support	1pc of each
Adjustable stand	1pc
Probe cover	1pc
USB cable and software for PC	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

Extension rod	**ISR-C002-ER**
Transverse rod	**ISR-C002-TR**
Deep groove probe	**ISR-C002-DGP**
Small hole probe	**ISR-C002-SBP**
Light duty test stand	**ISR-C002-STAND1**
Heavy duty test stand	**ISR-C002-STAND**
Wireless printer	**ISR-C002-PRINTER**

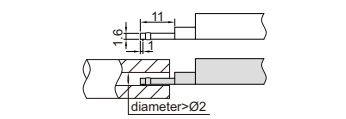
Unit: mm

extension rod (**optional**), code **ISR-C002-ER**

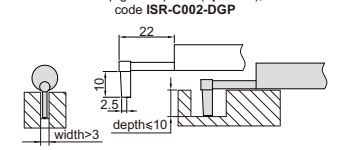


transverse rod **(optional)**, code **ISR-C002-TR**

small hole probe (**optional**), code **ISR-C002-SBP**



deep groove probe (**optional**), code **ISR-C002-DGP**



ROUGHNESS TESTER
CODE ISR-C003

VIDEO

calibration block and support (included)

- Unit: μm, μin
- Automatic power off

STANDARD DELIVERY

Main unit	1pc
Calibration block and support	1pc of each
AC/DC adapter	1pc

SPECIFICATION

Price(₹)		**75441**
Parameters		Ra, Rz, Rq, Rt
Range		Ra, Rq: 0.05~15μm Rz, Rt: 0.1~50μm
Accuracy		±10%
Resolution (Ra)		0.01μm
Probe	**type**	piezoelectric
	stylus radius/angle	10μm/90°
	stylus material	diamond
Measuring force		5mN
Measuring unit		μm/μin
Cut off		0.25/0.8/2.5mm
Evaluation length		1.25mm for cut off 0.25mm 4mm for cut off 0.8mm 5mm for cut off 2.5mm
Traverse speed		0.75mm/s
Power		built-in rechargeable battery
Dimension (L×W×H)		106×70×24mm
Weight		200g

SURFACE ROUGHNESS SPECIMENS

INSIZE PLUS
MADE IN UK

- For checking, identifying and specifying the roughness by symbol
- Rust-proof, made of pure Nickel

ISR-CS315

Code	Machining method		Roughness (Ra)	Roughness (Rz)	Quantity	Price(₹)
ISR-CS315	Surface grinding		0.025, 0.05, 0.1, 0.2, 0.4, 0.8, 1.6, 3.2µm	0.29, 0.55, 0.91, 1.74, 2.6, 4.65, 7.87, 15.6µm	8pcs	10034
ISR-CS316	Cylindrical grinding		0.025, 0.05, 0.1, 0.2, 0.4, 0.8, 1.6, 3.2µm	0.3, 0.53, 0.88, 1.56, 2.64, 4.4, 7.71, 15.3µm	8pcs	10034
ISR-CS317	Flat lapping	Criss-cross	0.025, 0.05, 0.1, 0.2µm	0.4, 0.6, 0.74, 1.26µm	4pcs	10034
		Parallel	0.025, 0.05, 0.1, 0.2µm	0.34, 0.56, 1.12, 1.5µm	4pcs	
ISR-CS318	Cylindrical lapping		0.025, 0.05, 0.1, 0.2µm	0.46, 0.54, 0.63, 1.23µm	4pcs	10034
	Superfinishing		0.025, 0.05, 0.1, 0.2µm	0.36, 0.7, 1, 1.4µm	4pcs	
ISR-CS319	Face turning		0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	1.92, 3.2, 6.15, 12.5, 23.7, 48.7, 102, 185µm	8pcs	10034
ISR-CS320	Cylindrical turning		0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	1.7, 3.2, 6.1, 12.2, 23.7, 47.5, 95, 190µm	8pcs	10034
ISR-CS321	End milling		0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	1.92, 3.82, 6.45, 12.2, 25.2, 49.8, 92.6, 191µm	8pcs	10034
ISR-CS322	Reaming		0.4, 0.8, 1.6, 3.2µm	1.7, 3.2, 6.4, 12.8µm	4pcs	10034
	Drilling		1.6, 3.2, 6.3, 12.5µm	7.5, 15.5, 31, 60µm	4pcs	
ISR-CS323	Horizontal milling		0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	1.8, 3.68, 6.63, 12.8, 25.6, 53, 97.5, 197µm	8pcs	10034
ISR-CS325	Shaping (planing)		0.8, 1.6, 3.2, 6.3, 12.5, 25, 50, 100µm	3.84, 6.7, 12.2, 25.2, 48.7, 99.9, 190, 361µm	8pcs	10034
ISR-CS326	Linishing (belt sanding)		0.1, 0.2, 0.4, 0.8, 1.6, 3.2µm	0.9, 1.55, 3.37, 7.42, 18.5, 31µm	6pcs	10034
ISR-CS328	Vertical grinding		0.2, 0.4, 0.8, 1.6, 3.2, 6.3µm	1.1, 3.5, 6.15, 8.78, 22.19, 40.8µm	6pcs	10034
ISR-CS329	Grit blasting		3.2, 10.5, 18, 25µm	19.2, 63, 108, 150µm	4pcs	10034
	Shot blasting		3.2, 8, 13, 18µm	19.2, 48, 78, 108µm	4pcs	
ISR-CS331	Spark erosion (EDM)		0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	2.5, 4.5, 7.2, 14.2, 24.7, 51.2, 105, 196µm	8pcs	10034
ISR-CS333	Hand filing		0.4, 0.8, 1.6, 3.2, 6.3µm	3, 5.6, 12.4, 22.5, 61µm	5pcs	10034
ISR-CS334	Castings		0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	3.2, 8, 16, 32, 56, 112, 225µm	7pcs	10034
ISR-CS335	Honing		0.05, 0.1, 0.2, 0.4, 0.8, 1.6µm	0.31, 0.56, 1, 2, 4.2, 9µm	6pcs	10034
ISR-CS336	Polishing		0.0125, 0.025, 0.05, 0.1, 0.2µm	0.29, 0.35, 0.67, 0.72, 1.52µm	5pcs	10034

SURFACE ROUGHNESS SPECIMEN SET CODE ISR-CS2

ATTENTION: PLEASE APPLY ANTI-RUST OIL AFTER USE

Code	Machining method	Roughness (Ra)	Roughness (Rz)	Quantity	Price(₹)
ISR-CS2	Horizontal milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm	1.6, 3.2, 6.3, 12.5, 25, 50µm	6pcs	8405
		16, 32, 63, 125, 250, 500µin			
	Vertical milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm	1.6, 3.2, 6.3, 12.5, 25, 50µm	6pcs	
		16, 32, 63, 125, 250, 500µin			
	Turning	0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm	1.6, 3.2, 6.3, 12.5, 25, 50µm	6pcs	
		16, 32, 63, 125, 250, 500µin			
	Plain grinding	0.05, 0.1, 0.2, 0.4, 0.8, 1.6µm	0.2, 0.4, 0.8, 1.6, 3.2, 6.3µm	6pcs	
		2, 4, 8, 16, 32, 63µin			
	Flat lapping	0.05, 0.1µm	0.2, 0.4µm	2pcs	
		2, 4µin			
	External grinding	0.2, 0.4, 0.8, 1.6µm	0.8, 1.6, 3.2, 6.3µm	4pcs	
		8, 16, 32, 63µin			

- For checking, identifying and specifying the roughness by symbol
- Made of carbon steel

SHOT AND GRIT BLASTING SURFACE ROUGHNESS SPECIMENS

INSIZE PLUS
MADE IN UK

- To check the roughness of steel surfaces which have been blast cleaned before painting
- Meets ISO 8503/1
- Rust-proof, made of pure Nickel
- Each piece contains 4 parts

Code	Machining method	Roughness (Ra)	Roughness (Rz)	Price(₹)
ISR-CS017	shot blasting	3.2, 8, 13, 18µm	19.2, 48, 78, 108µm	13088
ISR-CS018	grit blasting	3.2, 10.5, 18, 25µm	19.2, 63, 108, 150µm	13088

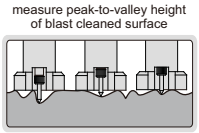
ISR-CS017

SURFACE PROFILE GAGE

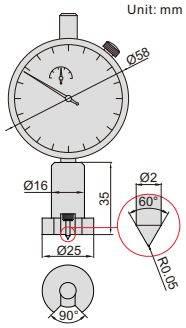
- Dial indicator stroke: 1mm
- Dial indicator graduation: 0.001mm
- Measure peak-to-valley height of blast cleaned surface.
  If the profile is too low, the adhesion of the coating to the surface will be reduced.
  If the profile is too high, there is the danger that the profile peaks will remain uncoated, allowing rust spots to occur.
- Meet ASTM D 4417-B
- Zero set block is included, set zero before measurement
- Stainless steel base

Code	Range	Accuracy	Price(₹)
2344-1	0-1mm	±0.005mm	7242

VIDEO

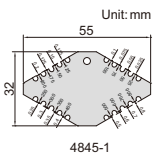


2344-1



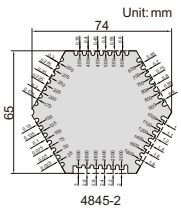
WET FILM GAGES

4845-1



4845-1

4845-2



4845-2

- Made of stainless steel

Code	Range	Accuracy	Thickness	Price(₹)
4845-1	25-800μm	±5μm	1.8mm	1816
4845-2	25-3000μm	25-100μm: ±5μm 100μm-3000μm: ±5%	1mm	1259

COATING THICKNESS GAGE CODE 9501-1200

FOR MAGNETIC AND NON-MAGNETIC SUBSTRATES

- Magnetic induction probe (Fe) is to measure the thickness of non-magnetic coating on magnetic substrate
  Substrate: iron, steel, magnetic stainless steel (does not include non-magnetic stainless steel)
  Coating: zinc, copper, chrome, tin, plastic, powder, paint (nickel is not included)
- Eddy current probe (NFe) is to measure the thickness of non-conductive coating on non-magnetic substrate
  Substrate: copper, aluminum, zinc, non-magnetic stainless steel
  Coating: plastic, powder, paint, anodizing
- Low and high limits with judgement
- Automatic power off

VIDEO

magnetic induction probe Fe (included)

SPECIFICATION

Price(₹)	21323			
Probe type	Fe (included)	NFe (optional)	Fe/90° (optional)	Fe10 (optional)
Measuring range	0~1250μm	0~1250μm	0~1250μm	500~10000μm
Accuracy	±(3%L+1)μm L is measuring thickness in μm			
Resolution	0.1μm (range<100μm) 1μm (range≥100μm)			
Measuring mode	continuous and single			
Minimum substrate thickness	0.5mm	0.3mm	0.5mm	2mm
Minimum measuring area	Ø7mm	Ø5mm	Ø7mm	Ø40mm
Minimum curvature radius of convex workpiece	1.5mm	3mm	- - -	10mm
Memory	500			
Power supply	2x1.5V AA batteries			
Dimension	128x68x32mm			
Weight	340g			

eddy current probe NFe (**optional**) with zero calibration block

magnetic induction probe (Fe/90°) for bores and grooves (**optional**)

zero calibration block for Fe (included)

calibration foils (included)

magnetic induction probe (Fe10) with big range (**optional**)

software CD (included)

STANDARD DELIVERY

Main unit	1pc
Magnetic induction probe (Fe)	1pc
Zero calibration block for Fe probe	1pc
Calibration foils (50μm, 100μm, 250μm, 500μm, 1000μm)	1set
1.5V AA battery	2pcs
USB cable and software	1pc

OPTIONAL ACCESSORY

Eddy current probe (NFe) with zero calibration block	9501-1200-NFE
Magnetic induction probe (Fe/90°) for bores and grooves	9501-1200-FE90
Magnetic induction probe (Fe10) with big range	9501-1200-FE10

ULTRASONIC THICKNESS GAGE (THROUGH COATING)
CODE ISU-300D

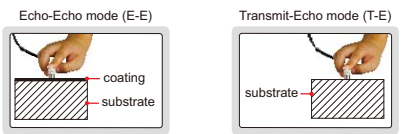
PENETRATE NON-METALLIC COATING AND MEASURE THE THICKNESS OF METAL SUBSTRATE

DATA OUTPUT

INSPECTION CERTIFICATE

VIDEO

- Two measuring modes, Echo-Echo (E-E) and Transmit-Echo (T-E):
  - E-E is applicable for non-metallic coating (such as paint, plastic resin, etc.) on metal substrate, can penetrate coating and measure the thickness of substrate
  - T-E is to measure the thickness of material without coating, such as metal, plastic, glass, nylon, resin, ceramics, ice, etc.
- Low and high limits with judgment
- Average calculation of maximum 9 readings
- Memory of maximum 500 readings



software CD (included)

couplant (included)

transducer ISU-T04 (**optional**)

transducer ISU-T06 (**optional**)

transducer ISU-T12 (**optional**)

transducer ISU-T13 (**optional**)

SPECIFICATION

Price(₹)	159670
Measuring range	E-E mode: coating thickness 0~1mm, substrate thickness 4~25mm
	T-E mode: substrate thickness1.5~200mm
Resolution	0.01mm (range<100mm) 0.1mm (range≥100mm)
Repeatability	0.03mm (range<100mm) 0.1mm (range≥100mm)
Accuracy	±0.04mm (range<10mm) ±(0.04+H/1000)mm (range 10~100mm) ±H/333mm (range≥100mm) H is the thickness to be measured in mm
Velocity	1000~9999m/s
Power supply	2×1.5V AAA batteries
Dimension	116×64×27mm
Weight	220g

STANDARD DELIVERY

Main unit	1pc
Transducer ISU-T07	1pc
Battery (AAA)	2pcs
Couplant (for ISU-T04, ISU-T06, ISU-T07, ISU-T12)	1bottle
USB cable and software disc	1pc

OPTIONAL ACCESSARY

Transducer	ISU-T04, ISU-T06, ISU-T12, ISU-T13
Couplant (for ISU-T13)	ISU-HT5-COUPLANT

ULTRASONIC THICKNESS GAGE
CODE ISU-250C

VIDEO

software CD (included)

- Measure the thickness from one side of object, suitable for pipe, tank, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice
- Low and high limits with judgement
- Average calculation of maximum 9 readings
- Memory of maximum 5000 readings with location number

INSPECTION CERTIFICATE

DATA OUTPUT

couplant (included)

transducer ISU-T04 (**optional**)

transducer ISU-T06 (**optional**)

transducer ISU-T12 (**optional**)

transducer ISU-T13 (**optional**)

SPECIFICATION

Price(₹)	99441
Resolution	0.01mm (range<100mm)
	0.1mm (range≥100mm)
Repeatability	0.03mm (range<100mm)
	0.1mm (range≥100mm)
Accuracy	±0.04mm (range<10mm) ±(0.04+H/1000)mm (range 10~100mm) ±H/333mm (range≥100mm) H is the thickness to be measured in mm
Velocity	1000-9999m/s
Power supply	2x1.5V AAA batteries
Dimension	64x116x27mm
Weight	220g

STANDARD DELIVERY

Main unit	1pc
Transducer ISU-T08	1pc
Battery (AAA)	2pcs
Couplant (for ISU-T04, ISU-T06, ISU-T08, ISU-T12)	1bottle
USB cable and software disc	1pc

OPTIONAL ACCESSARY

Transducer	ISU-T04, ISU-T06, ISU-T12, ISU-T13
Couplant (for ISU-T13)	ISU-HT5-COUPLANT

ULTRASONIC THICKNESS GAGE (BASIC MODEL)
CODE ISU-100D

INSPECTION CERTIFICATE

ATTENTION: BASIC MODEL

ATTENTION: NOT SUITABLE FOR CASTING WORKPIECES

VIDEO

- Measure the thickness from one side of object, suitable for pipe, tank, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice

SPECIFICATION

Price(₹)		36299
Measuring range		0.8~300mm
Resolution		0.01mm (range<100mm)
		0.1mm (range≥100mm)
Accuracy		±0.04mm (range<10mm) ±(0.04+H/1000)mm (range 10~100mm) ±H/333mm (range≥100mm) H is the thickness to be measured in mm
Transducer	frequency	5MHz
	diameter (Ød)	10.8mm
Minimum size of pipe for measurement		20×1.2mm (diameter × wall thickness)
Applicable temperature		<60°C
Velocity		1000-9999m/s
Power supply		2×AAA batteries
Dimension		114×64×28mm
Weight		200g

STANDARD DELIVERY

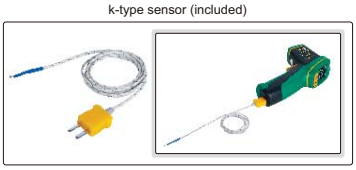
Main unit	1pc
Transducer	1pc
Couplant	1bottle
Battery (AAA)	2pcs

INFRARED THERMOMETER
CODE 9110-500

VIDEO

- Fast measurement with infrared or k-type sensor
- Maximum, minimum, average and difference modes
- Low and high limits with judgement
- Memory 20 measurement values
- Automatic power off

k-type sensor (included)



STANDARD DELIVERY

Main unit	1pc
K-type sensor	1pc
9V battery	1pc

SPECIFICATION

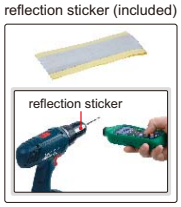
Price(₹)		4750
Measuring range	infrared	-60~500°C/-76~932°F
	k-type sensor	-40~1080°C/-40~1976°F
Accuracy	infrared	±(1.5%+2)°C/±(1.5%+4)°F
	k-type sensor	±(1%+2)°C/±(1%+4)°F
Resolution		0.1°C/0.1°F (range<199.9), 1°C/1°F (range>199.9)
Distance to spot ratio (D:S)		12:1
Emissivity		0.1~1 (adjustable)
Laser type		630~670nm, Class II, <1mW
Response time		<500ms
Power supply		9V battery
Dimension		176×132×49mm
Weight		223g

NON-CONTACT DIGITAL TACHOMETER
CODE 9221-999

- Maximum and minimum modes
- Memory 100 measurement values
- Automatic power off

VIDEO

reflection sticker (included)



STANDARD DELIVERY

Main unit	1pc
Reflection sticker	1roll
Battery (AAA)	4pcs

SPECIFICATION

Price(₹)	3831
Measuring range	50~99999RPM
Accuracy	±(0.03%+2) RPM
Resolution	0.01RPM (range 50~99.99RPM)
	0.1RPM (range 100~9999.9RPM)
	1RPM (range 10000~99999RPM)
Measuring distance	50~250mm
Power supply	4×AAA batteries
Dimension	155×60×27mm
Weight	118g

CONTACT DIGITAL TACHOMETER
CODE 9222-199

- Unit: RPM, m/min, m/sec, ft/min, ft/sec, in/min
- Maximum and minimum modes
- Memory 100 measurement values
- Automatic power off

VIDEO

cone cavity head (included)

cone head (included)

Extension rod (included)

wheel with 0.1m perimeter (included)

wheel with 6" perimeter (included)

SPECIFICATION

Price(₹)	3607
Measuring range	50~19999RPM
Accuracy	±(0.03%+2) RPM
Resolution	0.01RPM (range 50~99.99RPM)
	0.1RPM (range 100~9999.9RPM)
	1RPM (range 10000~19999RPM)
Power supply	4×AAA batteries
Dimension	183×60×27mm
Weight	122g

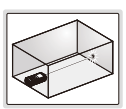
STANDARD DELIVERY

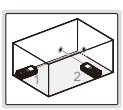
Main unit	1pc
Wheel with 0.1m perimeter	1pc
Wheel with 6" perimeter	1pc
Cone cavity head	1pc
Cone head	1pc
Extension rod	1pc
Battery (AAA)	4pcs

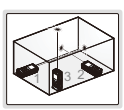
LASER DISTANCE METER
CODE 9561-80

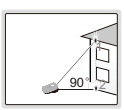
- Large display with backlight
- Unit: m, ft, in
- Distance, area, volume and height measurement
- Continuos measuring mode to track maximum and minimum value
- Memory of 99 measurement values
- Automatic power off: laser 20s, main unit 150s

VIDEO


distance measurement


area measurement


volume measurement



height measurement

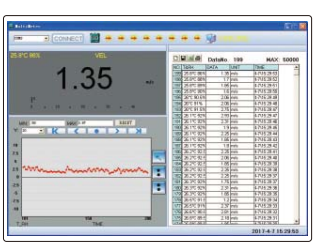
SPECIFICATION

Price(₹)	6740
Measuring range	0.05~80m
Accuracy	±3mm
Resolution	1mm, 10mm, 0.1", 0.01ft
Measuring speed	0.5 second
Laser type	635nm, Class II, <1mW
Power supply	3×AAA batteries, for 4000 measurements
Dimension (L×W×H)	120×60×28mm
Weight	175g

STANDARD DELIVERY

Main unit	1pc
Battery (AAA)	3pcs

DIGITAL ANEMOMETER
CODE 9331-40



software (included), display measurement values and graph, save and output data

- Measure velocity, flow, temperature and relative humidity
- Velocity unit: m/s, km/h,mil/h, ft/m, ft/s, knots
- Flow unit: CMS (cubic meter per second), CMM (cubic meter per minute), CFM (cubic feet per minute)
- Temperature type: ambient, dew point, wet bulb
- Maximum and minimum modes
- Automatic power off

DATA OUTPUT

STANDARD DELIVERY

Main unit	1pc
USB cable and software	1pc
9V battery	1pc

software CD (included)

VIDEO

SPECIFICATION

Price(₹)		6093
Measuring range	velocity	0.8~30m/s, 1.4~108km/h, 0.9~67.2mil/h, 1.3~98.5ft/s, 78~5900ft/m, 0.8~58.3knots
	flow	0~9999CMS, 0~99990CMM, 0~99990CFM
	temperature	-20~60°C/-4~140°F
	relative humidity	0~100%RH
Accuracy	velocity	±(2%+0.5) for m/s, km/h,mil/h, ft/s, knots ±(2%+50) for ft/m
	temperature	±1.5°C/±2.7°F
	relative humidity	±3% (20~80%RH), ±5% (<20%RH or >80%RH)
Resolution	velocity	0.01m/s, 0.01km/h, 0.01mil/h, 0.01ft/s, 1ft/m, 0.01knots
	flow	0.01CMS, 0.1CMM, 0.1CFM
	temperature	0.1°C/0.1°F
	relative humidity	0.1%RH
Flowing area range		0~9.999m²/0~9.999ft²
Sampling time		0.4s
Maximum working height		2000m
Output		USB
Power supply		9V battery
Dimension		165×85×38mm
Weight		200g

DIGITAL MOISTURE METER
CODE 9341-50

VIDEO

- Suitable for wood, smooth cement, hard gypsum, mixed mortar, brick, etc.
- Measure moisture, temperature and relative humidity
- Temperature type: ambient, dew point, wet bulb
- Maximum and minimum modes
- Automatic power off

STANDARD DELIVERY

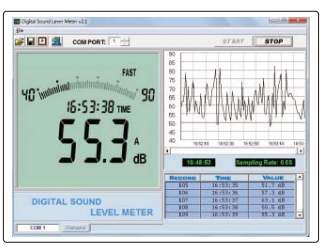
Main unit	1pc
Battery (AAA)	2pcs

SPECIFICATION

Price(₹)		3824
Measuring depth		0~50mm
Measuring range	Moisture	0~60%
	temperature	-10~50°C/14~122°F
	relative humidity	0~100%RH
Accuracy	Moisture	±2%
	temperature	±2%
	relative humidity	±5%RH
Resolution	Moisture	0.1%
	temperature	0.1°C/0.1°F
	relative humidity	0.1%RH
Sampling time		0.5s for moisture
		1s for temperature and relative humidity
Power supply		2×AAA batteries
Dimension		130×56×29mm
Weight		206g

DIGITAL SOUND LEVEL METER
CODE 9351-130

DATA OUTPUT



software (included), display measurement values and graph, save and output data

VIDEO

software CD (included)

- Automatically select best range: 30~80dB, 40~90dB, 50~100dB,60~110dB, 70~120dB, 80~130dB
- Over range indicator
- Real time, average, maximum modes
- Memory 16000 measurement values
- AC signal output: 0.707 Vrms at FS, impedance approx. 600Ω
  DC signal output: 10mV/dB, impedance approx.100Ω
- Automatic power off

SPECIFICATION

Price(₹)	9124
Measuring range	30~130dB
Accuracy	±2dB
Resolution	0.1dB
Sampling time	0.5s for digital, 0.05s for analogue
Response time	fast: 125ms, slow: 1s
Frequency	30Hz~8KHz
Frequency weighting	A/C
Microphone	electret condenser type
Output	RS232, AC/DC
Power supply	6×AAA batteries
Dimension	265×80×69mm
Weight	317g

STANDARD DELIVERY

Main unit	1pc
RS232 cable and software	1pc
Output connector	1pc
Battery (AAA)	6pcs

60° GLOSS METER
CODE ISQ-DG6

VIDEO

- To test the gloss of coating, such as painting, varnish, printing ink, etc.
- To test the material surfaces, such as metal, granite, ceramic, plastic, paper, etc.
- According to ISO 2813, ASTM D2457, ASTM D523
- Automatic power off

base with calibration block (included)

SPECIFICATION

Price(₹)	48106
Incidence angle	60°
Measuring range	0~150GU
Resolution	0.1GU
Accuracy	±1.2GU
Repeatability	0.4GU
Zero set error	0.2GU
Measuring area	20×10mm
Power suppy	1×1.5V AA battery
Dimension	123×38×65mm
Weight	300g

STANDARD DELIVERY

Main unit	1pc
Base with calibration block	1pc
Spare calibration block	1pc

PORTABLE REFRACTOMETER
CODE ISQ-RM30

SUITABLE FOR WATER BASED COOLANT

VIDEO

- Quickly measure the concentration of coolant
- Refer to the refraction factor of coolant, for example: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is (2.1×6%)=12.6%

SPECIFICATION

Price(₹)	5457
Measuring range	0~32%
Graduation	0.2%
Dimension	27×40×160mm
Weight	175g

ELECTRONIC LEVEL
CODE ISE-L051

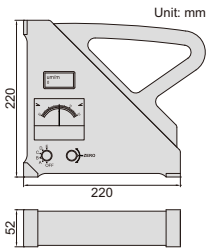
INSIZE PLUS MADE IN ITALY

INSPECTION CERTIFICATE

VIDEO

DATA OUTPUT

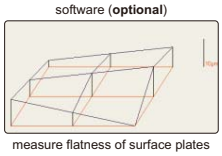
SHOCK PROOF



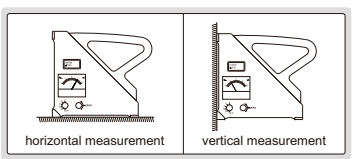
- Shockproof
- Analogue and digital reading modes

SPECIFICATION

Price(₹)	959441				
Graduation of analogue reading	250μm/m(=0.014°)	50μm/m(=10")	10μm/m(=2")	5μm/m(=1")	1μm/m(=0.2")
Range of analogue reading	5000μm/m	1000μm/m	200μm/m	100μm/m	20μm/m
Resolution of digital reading	1μm/m(=0.2")				
Range of digital reading	5000μm/m				
Accuracy	±2%				
Range of zero setting	±1500μm/m				
Response time	<3 sec				
Data output	RS232				
Power supply	rechargeable battery, for 100 hours working				
Dimension	220x220x52mm				
Weight	4.4kg				



measure flatness of surface plates



STANDARD DELIVERY

Main unit	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

USB Cable and software	ISE-L050-SOFTWARE

ELECTRONIC LEVEL
CODE ISE-L050

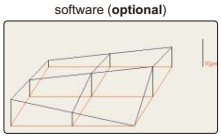
INSPECTION CERTIFICATE

INSIZE PLUS MADE IN ITALY

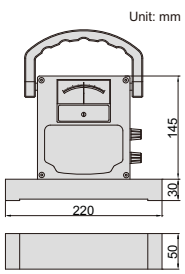
VIDEO

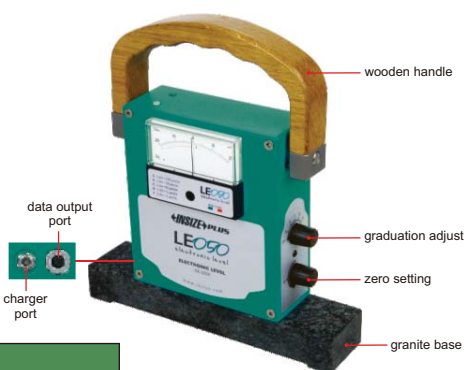
DATA OUTPUT

SHOCK PROOF



measure flatness of surface plates





- Shockproof

SPECIFICATION

Price(₹)	639966				
Graduation (adjustable)	250μm/m (=0.014°)	50μm/m (=10")	10μm/m (=2")	5μm/m (=1")	1μm/m (=0.2")
Range	5000μm/m	1000μm/m	200μm/m	100μm/m	20μm/m
Accuracy	±2%				
Range of zero setting	±1500μm/m				
Response time	<3 sec				
Data output	RS232				
Power supply	rechargeable battery, for 100 hours working				
Dimension	220x236x50mm				
Weight	2.8kg				

STANDARD DELIVERY

Main unit	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

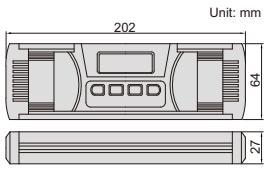
USB Cable and software	ISE-L050-SOFTWARE

DIGITAL LEVEL AND PROTRACTOR

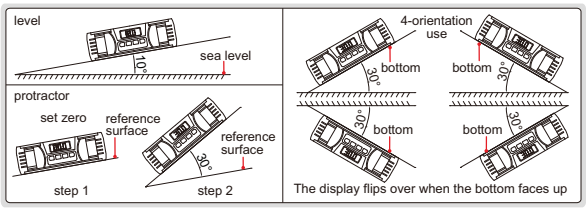
IP67 WATERPROOF | ABSOLUTE LEVEL | BACKLIGHT | BUZZER ALARM AT 0° AND 90°

VIDEO

2175-360



- IP67 dust/waterproof
- Aluminum frame, shock absorbing rubber end caps
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, backlight/buzzer alarm, absolute and incremental measurement, unit (mm/m, %, °), HOLD (keep the reading)
- Three AAA batteries, automatic power off

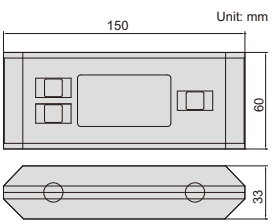


Code	Range	Resolution	Accuracy	Price(₹)
2175-360	0-360° (90°x4)	0.05° (=0.873mm/m)	0°: ±0.05°; others: ±0.1°	6568

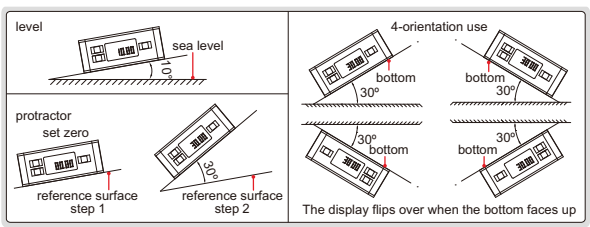
DIGITAL LEVEL AND PROTRACTOR

IP54 WATERPROOF | ABSOLUTE LEVEL | BACKLIGHT | BUZZER ALARM AT 0° AND 90°

VIDEO



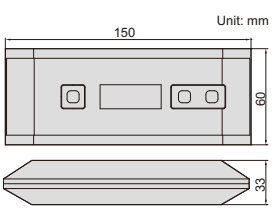
2179-360



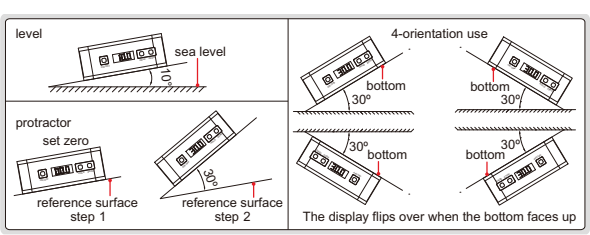
- IP54 dust/waterproof
- Aluminum frame
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit(mm/m, %, in/ft) , backlight
- Two AAA batteries
- Automatic power off

Code	Range	Resolution	Accuracy	Price(₹)
2179-360	0-360° (90°x4)	0.05° (=0.873mm/m)	0° and 90°: ±0.1°; others: ±0.2°	6087

DIGITAL LEVEL AND PROTRACTOR



2173-360

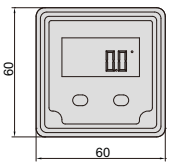


- Aluminum frame
- Magnetic bottom with V-groove for shafts
- Zero setting can be made on any plain surfaces
- Buttons: ON/OFF, ZERO, HOLD (keep the reading)
- CR2032 battery, automatic power off

Code	Range	Resolution	Accuracy	Price(₹)
2173-360	0-360° (90°x4)	0.1° (= 1.745 mm/m)	0° and 90°: ±0.1°; others: ±0.2°	5729

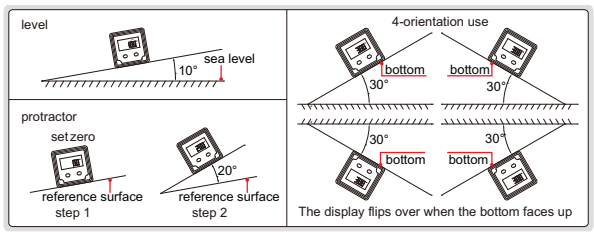
DIGITAL LEVEL AND PROTRACTOR

BACKLIGHT | ABSOLUTE LEVEL | MAGNETIC BOTTOM | DISPLAY FLIPS OVER WHEN THE BOTTOM FACES UP



VIDEO

2170-1



- Aluminum frame
- Magnetic bottom
- The display flips over when the bottomfaces up
- The backlight is on automatically when in use, and automatically off in 15 minutes after use
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, ZERO, absolute and incremental measurement
- One AAA battery
- Automatic power off in 5 minutes

Code	Range	Resolution	Accuracy	Price(₹)
2170-1	4x90°	0.1° (= 1.745 mm/m)	at 0°and 90°: ±0.1°; others: ±0.2°	2564

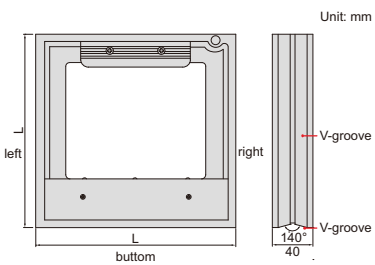
FRAME LEVEL

ATTENTION: BASIC MODEL

VIDEO

- V-groove on bottom and left for shafts (shafts dia. 15~70mm)
- With transverse vial
- Supplied with adjusting wrench

4902-200



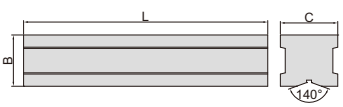
Code	Sensitivity	Size (LxL)	Price(₹)
4902-200	0.02mm/m (=0.001°)	200x200mm	8271

BLOCK LEVELS

ATTENTION: BASIC MODEL

VIDEO

4903-200A



- V-groove on bottom for shafts (shafts dia. 15~70mm)
- With transverse vial
- Supplied with adjusting wrench

(mm)

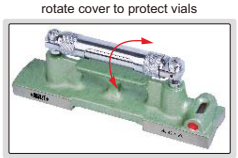
Code	Length (L)	Sensitivity	B	C	Price(₹)
4903-150A	150mm	0.02mm/m(=0.001°)	40	45	7745
4903-200A	200mm	0.02mm/m(=0.001°)	42	47	8165
4903-300A	300mm	0.02mm/m(=0.001°)	45	50	10229

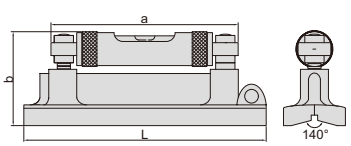
MACHINISTS' LEVELS

4904-200

- With transverse and longitudinal vials
- V-groove on bottom for shafts (shafts dia. 15-60mm for **4904-150**, and 15-70mm for **4904-200/300**)
- Supplied with adjust wrench

rotate cover to protect vials



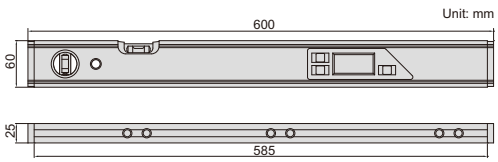


Code	Sensitivity	Size (L)	a	b	Price(₹)
4904-150	0.3mm/m(=0.017°)	150mm	150mm	58mm	6639
4904-200	0.3mm/m(=0.017°)	200mm	135mm	73mm	7387
4904-300	0.3mm/m(=0.017°)	300mm	216mm	73mm	8552

DIGITAL LEVEL

ABSOLUTE LEVEL | BACKLIGHT | BUZZER ALARM AT 0° AND 90°

4910-600

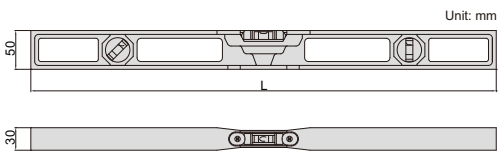


- With transverse and longitudinal vials
- Used as level and protractor
- Aluminum frame
- Magnetic bottom
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit (mm/m, %, in/ft) conversion, backlight
- The display flips over when the bottom faces up
- Two AAA batteries, automatic power off

Code	Range	Resolution	Accuracy	Price(₹)
4910-600	0-360° (90°x4)	0.1° (=1.745mm/m)	0° and 90°: ±0.1°; others: ±0.2°	5120

ALUMINUM ALLOY LEVELS

4911-600



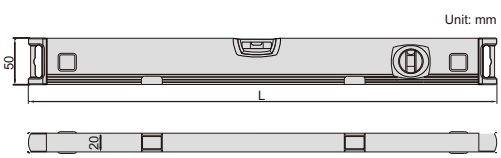
- Die casting aluminum alloy frame
- With three vials: 180°, 90° and 45°
- Zero position of vial 180° can be set

Code	Length (L)	Accuracy	Price(₹)
4911-400	400mm	0.75mm/m	1396
4911-600	600mm	0.75mm/m	1719
4911-800	800mm	0.75mm/m	1909

ALUMINUM LEVELS

VIALS MADE IN ISRAEL LIFETIME WARRANTY | MAGNETIC BASE

4914-600



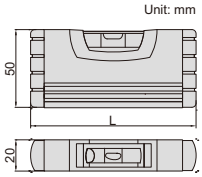
- Shockproof horizontal and vertical vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15˚C~55˚C

Code	Size (L)	Accuracy	Price(₹)
4914-600	600mm	0.5mm/m (.006in/ft)	1044
4914-1000	1000mm	0.5mm/m (.006in/ft)	1493

PORTABLE LEVEL

VIALS MADE IN ISRAEL LIFETIME WARRANTY

MAGNETIC BASE



4912-100

packaging

- Shockproof vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15˚C~55˚C

Code	Size (L)	Accuracy	Price(₹)
4912-100	100mm	0.5mm/m (.006in/ft)	433

CAST ALUMINUM LEVEL

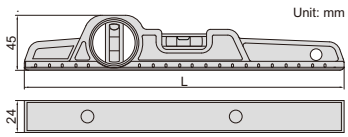
MAGNETIC BASE

VIALS MADE IN ISRAEL
LIFETIME WARRANTY

4913-250

packaging

- Shockproof horizontal and vertical vials
- Magnetic base
- Working temperature: -15˚C~55˚C
- Cast aluminum body



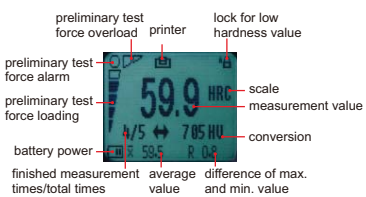
Code	Size (L)	Accuracy	Price(₹)
4913-250	250mm	0.5mm/m (.006in/ft)	737

MANUAL DIGITAL ROCKWELL HARDNESS TESTER
CODE ISH-RD200

INSPECTION CERTIFICATE

DATA OUTPUT

VIDEO



- Low and high limits with alarm
- Set testing times (2~9) to have average value and the difference of max. and min. value
- Convert to HV or HB automatically
- Memory of 1000 testing values for browsing and output
- Testing value can be sent to wireless printer automatically
- Calibration function compensates the testing value for high accuracy
- The hardness value of soft materials like plastic is not stable. The lock function can obtain the value automatically
- Display unit is automatic power off

software CD (included)

Ø60mm flat anvil (included)

Ø150mm flat anvil (included)

V-type anvil (included) for cylinders with diameter Ø4~60mm

small V-type anvil (**optional**) for cylinders with diameter Ø2~4mm

wireless printer (**optional**)

SPECIFICATION

Price(₹)	140867
Hardness scale	HRA, HRB, HRC, HRD HRF, HRG (with standard indenters)
	HRE, HRH, HRK (with optional indenter)
Preliminary test force	98N
Test force	588N, 980N, 1471N
Stage elevation	manual
Load control	manual
Resolution	0.1HR
Output	wireless and USB
Memory	1000
Max. workpiece height	170mm
Max. workpiece depth	165mm (from the center of indenter)
Power supply	built-in rechargeable battery
Dimension	520x160x700mm
Weight	60kg

STANDARD DELIVERY

Main unit	1pc
Ø60mm flat anvil	1pc
Ø150mm flat anvil	1pc
V-type anvil	1pc
Diamond indenter	1pc
Ø1.5875mm carbide ball indenter	1pc
Hardness test block HRB88~95	1pc
Hardness test block HRC60~65	1pc
Hardness test block HRC20~30	1pc
Anti-dust cover	1pc
USB cable and software	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

Wireless printer	ISH-DS-PRINTER
Ø3.175mm carbide ball indenter	ISH-EHK-INDENTER
Hardness test block HRB88~95	ISH-BHRB
Hardness test block HRC60~65	ISH-BHRC3
Hardness test block HRC20~30	ISH-BHRC1
Small V-type anvil	ISH-SMALLANVIL

MANUAL ROCKWELL HARDNESS TESTER
CODE ISH-R150

VIDEO

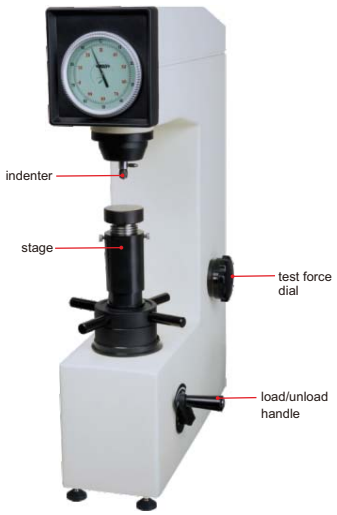
INSPECTION CERTIFICATE

SPECIFICATION

Price(₹)	125127
Hardness scale	HRA, HRB, HRC, HRD, HRF, HRG
Preliminary test force	98N
Test force	588N, 980N, 1471N
Display	analogue
Stage elevation	manual
Load control	manual
Min. reading	0.5HR
Max. workpiece height	170mm
Max. workpiece depth	165mm (from the center of indenter)
Dimension	520x160x700mm
Weight	60kg

STANDARD DELIVERY

Main unit	1pc
Ø60mm flat anvil	1pc
Ø150mm flat anvil	1pc
V-type anvil	1pc
Diamond indenter	1pc
Ø1.5875mm carbide ball indenter	1pc
Hardness test block HRB88~95	1pc
Hardness test block HRC60~65	1pc
Hardness test block HRC20~30	1pc
Anti-dust cover	1pc



Ø60mm flat anvil (included)

Ø150mm flat anvil (included)

V-type anvil (included) for cylinders with diameter Ø4~60mm

small V-type anvil (**optional**) for cylinders with diameter Ø2~4mm

OPTIONAL ACCESSORY

Hardness test block HRB88~95	ISH-BHRB
Hardness test block HRC60~65	ISH-BHRC3
Hardness test block HRC20~30	ISH-BHRC1
Small V-type anvil	ISH-SMALL ANVIL

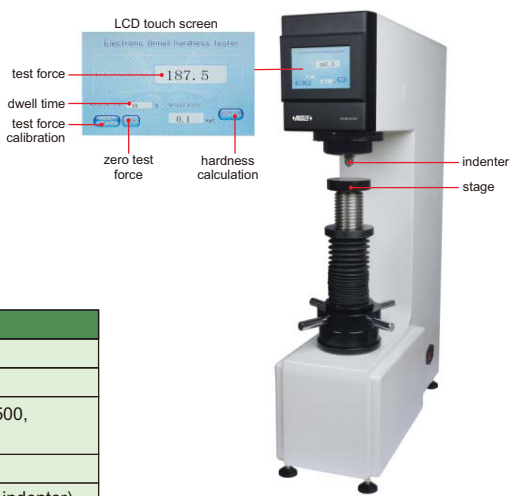
AUTOMATIC BRINELL HARDNESS TESTER
CODE ISHB-M100*

AUTOMATIC TESTING AFTER PRELIMINARY TEST FORCE IS LOADED BY HAND

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)

INSPECTION CERTIFICATE

- LCD touch screen, easy operation
- Automatic testing after preliminary test force is loaded by hand
- Measure indentation diameter by measuring microscope, input the diameters, the hardness value is shown on screen automatically
- Force loading by electric motor, without weights



VIDEO

Ø80mm flat anvil (included)

V-type anvil (included)

Ø180mm flat anvil (included)

measuring microscope (included)

SPECIFICATION

Price(₹)		226672
Range		8~650HBW
Reading mode		directly read from LCD
Test force		62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000kgf
Max. height of workpiece		230mm
Max. depth of workpiece		160mm (from the center of indenter)
Stage elevation		manual
Load control		automatic (load/dwell/unload)
Load dwell time		5~60 second
Measuring microscope	magnification	20X
	graduation	0.01mm
Power supply		220V, 50/60Hz*
Dimension		550×210×750mm
Weight		90kg

*Add "**-U**" on code No. when power supply is 110V, 50/60Hz

OPTIONAL ACCESSORY

Hardness test block 150~250HBW2.5/187.5	ISH-BHB25B
Hardness test block 75~125HBW10/1000	ISH-BHB10A
Hardness test block 175~250HBW10/3000	ISH-BHB10B
Brinell indentation measuring system	ISHB-TSA/TSB

STANDARD DELIVERY

Main unit	1pc
Ø80mm flat anvil	1pc
Ø180mm flat anvil	1pc
V-type anvil	1pc
Ø2.5mm carbide ball indenter	1pc
Ø5mm carbide ball indenter	1pc
Ø10mm carbide ball indenter	1pc
Hardness test block 150~250HBW2.5/187.5	1pc
Hardness test block 75~125HBW10/1000	1pc
Hardness test block 175~250HBW10/3000	1pc
Measuring microscope	1pc
Anti-dust cover	1pc

measure indentation diameter by measuring microscope

input the diameters, the hardness value is shown on screen automatically

ULTRASONIC HARDNESS TESTER
CODE ISHU-330

INSPECTION CERTIFICATE

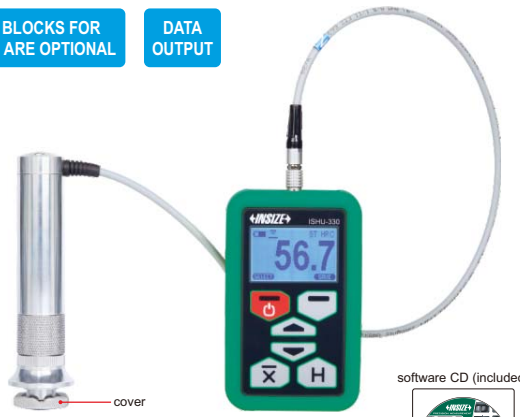
VIDEO

HARDNESS BLOCKS FOR CALIBRATION ARE OPTIONAL

DATA OUTPUT

- Small test indentation
- Test force and time are not affected by the operator
- Quick test, only 2 seconds
- Average and statistics test modes
- Memory of 1024 test results for browsing and output
- Automatic power off
- Anti-dust and waterproof

Application:
1. For steel, non-ferrous metal and alloy
2. Test surface hardening layers (carburized, nitriding, high frequency hardened, etc.) and plating (like chrome plating)
3. Suitable for thin wall or edge of workpieces
4. Suitable for small areas like arc, conical surface and other complex shapes
5. Suitable for small or light workpieces
6. Suitable for narrow spaces, like grooves and blind holes
7. Test large workpieces at any direction
8. Suitable for rough surfaces



test flat surfaces (with the cover)

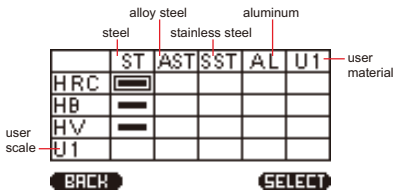
test cylinder surfaces (use V-groove on the cover)

test narrow areas (remove the cover)

software CD (included)

SPECIFICATION OF MAIN UNIT

Price(₹)		208079
Hardness scale		HV, HB, HRC, MPa
Range		100~940HV, 80~650HB, 20~70HRC, 370~1740MPa
Resolution		1HV, 1HB, 0.1HRC, 1MPa
Accuracy	HB	±3%
	HV	±3%
	HRC	±1.5%
Data output		USB
Operating temperature		-20°C~+40°C
Power supply		built-in rechargeable battery
Dimension of main unit		120×60×25mm
Weight of main unit		200g



select the material and scale, use the corresponding standard hardness blocks or workpieces for calibration (calibration of HRC, HB and HV for steel are already made, calibration is needed before use other materials and scales)

STANDARD DELIVERY

Main unit	1pc
Probe A	1pc
Rechargeable battery	2pcs
Charger	1pc
USB cable and software	1pc

SPECIFICATION OF PROBE

Type	A (standard)	B (**optional**)
Test force	50N	10N (small force)
Application	general use	plating
Maximum roughness of workpiece (Ra)	2.5μm	1.5μm
Minimum weight of workpiece (direct measurement)	0.1kg *	0.1kg *
Minimum thickness of workpiece (direct measurement)	1mm *	1mm *
Minimum radius of workpiece	5mm	5mm
Minimum thickness of surface hardening layer or plating	0.1mm	0.03mm
Minimum test area	Ø1mm	Ø1mm
Dimension and weight of probe	140×Ø37mm, 271g	145×Ø37mm, 271g

*If the weight or thickness of workpiece is less than required, the workpiece should be fixed or coupled on solid support

OPTIONAL ACCESSORY

Probe B	ISHU-460-B
Couplant	ISH-COUPLANT
Hardness block HRC20~30	ISH-BHRC1
Hardness block HRC45~50	ISH-BHRC2
Hardness block HRC60~65	ISH-BHRC3
Hardness block 150~250HV5	ISH-BHV5A
Hardness block 400~500HV5	ISH-BHV5B
Hardness block 650~750HV5	ISH-BHV5C
Hardness block 75~125HBW10/1000	ISH-BHB10A
Hardness block 175~250HBW10/3000	ISH-BHB10B
Hardness block 400~500HBW10/3000	ISH-BHB10C

PORTABLE HARDNESS TESTER (BASIC MODEL)
CODE ISHL-P100

VIDEO

- Supplied with impact device D
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC and HRB), Shore (HS) and tensile strength (MPa)
- Set test times (1~32) to have average value
- Memory of 100 test values for browsing
- Automatic power off

hardness test block D (included)

small support ring (included)

SPECIFICATION

Price(₹)	39163	
Min. reading	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 1HS, 1MPa	
Accuracy	±8HLD (when HLD=760±30)	
Display	Leeb, conversion hardness, material, impact direction, test times, average value, time	
Applicable workpiece	minimum weight	5kg
		2kg (on solid support)
		0.1kg (coupled on plate)
	minimum thickness: 5mm	
	minimum radius of curved surface: 30mm	
	maximum roughness (Ra): 1.6μm	
Power supply	3×AAA batteries	
Dimension	155×72×27mm	
Weight	280g	

STANDARD DELIVERY

Main unit	1pc
Impact device D	1pc
Hardness test block D	1pc
Small support ring	1pc
Cleaning brush	1pc

OPTIONAL ACCESSORY

Couplant	ISH-COUPLANT
Hardness test block D	ISHL-P100-BLOCK
Support rings	see details

PORTABLE HARDNESS TESTER
CODE ISH-PHB

VIDEO

INSPECTION CERTIFICATE

- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC and HRB), Shore (HS) and tensile strength (MPa)
- Memory of 99 measurement values for browsing
- Set measurement times (1~9) to have average value
- Connected with printer via bluetooth
- Automatic power off
- According to ASTM A 956

hardness test block D (included)

small support ring (included)

wireless printer (**optional**)

SPECIFICATION

Price(₹)	**48289**	
Min. reading	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 1HS, 1MPa	
Accuracy	±6HLD (when HLD=800)	
Display	Leeb (HLD), converted hardness, material, impact direction, test times, average value, date	
Output	bluetooth	
Applicable workpiece	minimum weight	5kg
		2kg (on solid support)
		0.1kg(coupled on plate)
	minimum thickness: 5mm	
	minimum radius of curved surface: 30mm	
	maximum roughness (Ra): 1.6μm	
Power supply	3×AAA batteries	
Dimension	150×84×28mm	
Weight	200g	

STANDARD DELIVERY

Main unit	1pc
Impact device D	1pc
Hardness test block D	1pc
Small support ring	1pc
Cleaning brush	1pc

OPTIONAL ACCESSORY

Wireless printer	**ISH-DS-PRINTER**
Couplant	**ISH-COUPLANT**
Support rings	see details
Hardness test block D	**ISH-BHLD**

APPLICABLE MATERIAL AND HARDNESS RANGE FOR IMPACT DEVICE D

Material	HLD	HV	HB	HRC	HRB	HS	Tensile strength (MPa)
Steel & cast steel	300-900	81-955	81-654	20-68	38-100	32-100	375-2639
Tool steel	300-840	80-898		20-67			
Stainless steel	300-800	85-802	85-655		46-101		
Cast iron	360-650		93-334				
Cast aluminum alloy	170-570		19-164		23-84		
Brass	200-550		40-173		13-95		
Bronze	300-700		60-290				
Copper	200-690		45-315				

WEBSTER HARDNESS TESTERS

VIDEO

- To measure the hardness of soft metal such as aluminum alloy, copper, brass, soft steel, etc.
- According to ASTM B647-84 (2000)

ISHW-L20

STANDARD DELIVERY

Main unit	1pc
Spare indenter	1pc
Hardness test block	1pc
Wrench	1pc

SPECIFICATION

Code	ISHW-L20	ISHW-L20A	ISHW-L20B	ISHW-B70	ISHW-B75	ISHW-B92
Price(₹)	**105360**	**133733**	**133733**	**110730**	**110730**	**110730**
Application	for aluminum alloy general use	for aluminum alloy thick workpiece	for aluminum alloy small tube	for hard aluminum alloy and hard brass	for soft brass and copper	for soft steel and cold-rolled steel
Thickness requirement of flat workpiece	0.6~6mm	0.6~13mm	0.6~8mm	0.6~6mm	0.6~6mm	0.6~6mm
Internal diameter requirement of tube workpiece	>Ø10mm	>Ø10mm	>Ø6mm	>Ø10mm	>Ø10mm	>Ø10mm
Wall thickness requirement of tube workpiece	0.6~6mm	6~13mm (internal diameter Ø10~23.3mm) 0.6~6mm (internal diameter>Ø23.3mm)	0.6~8mm	0.6~6mm	0.6~6mm	0.6~6mm
Hardness range	0~20HW					
Min. reading	1HW					
Accuracy	±0.5HW (at 5~17HW)					
Dimension	205x30x85mm					
Weight	500g					

DIGITAL SHORE DUROMETERS

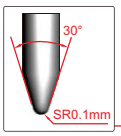
DATA OUTPUT

VIDEO

- According to ISO868, ISO7619, ASTM D 2240
- Average and peak (max.) mode
- Dwell time is adjustable
- Low and high limits with judgement
- 500 memories
- Wireless connection to printer
- Handhold use or work with test stand (code **ISH-DS-STAND**)
- Automatic power off

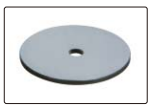
blunt taper indenter

ISH-DSA



sharp point indenter

ISH-DSD


calibration block (included)

printer (**optinal**)

software CD (included)

SPECIFICATION

Code	ISH-DSA	ISH-DSD
Price(₹)	24947	28494
Unit	Shore A	Shore D
Test material	soft plastic, soft rubber, etc.	hard plastic, hard rubber, etc.
Measuring range*	0~100HA	0~100HD
Resolution	0.1HA	0.1HD
Accuracy	±1HA	±1HD
Indenter protrusion	2.5mm	
Output	wireless and USB	
Power supply	built-in rechargeable battery	
Dimension	153x50x29mm	
Weight	170g	

*Use **ISH-DSD** when measuring result is higher than 90HA
Use **ISH-DSA** when measuring result is lower than 20HD

STANDARD DELIVERY

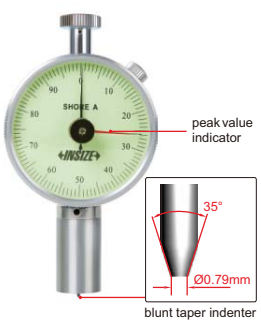
Main unit	1pc
Calibration block	1pc
USB cable and software	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

Printer	ISH-DS-PRINTER
Test stand	ISH-DS-STAND
1kg weight block (for ISH-DSA)	ISH-DSA-W1
5kg weight block (for ISH-DSD)	ISH-DSD-W5

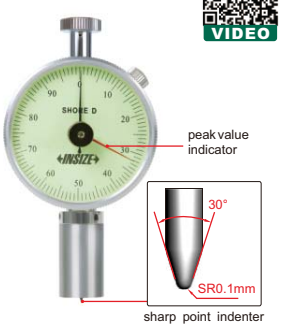
SHORE DUROMETERS

VIDEO



blunt taper indenter

ISH-SAM



sharp point indenter

ISH-SDM

- According to ISO868, ISO7619, ASTM D 2240
- With peak value indicator
- Optional accessory: test stand **ISH-STAC** and **ISH-STD**

SPECIFICATION

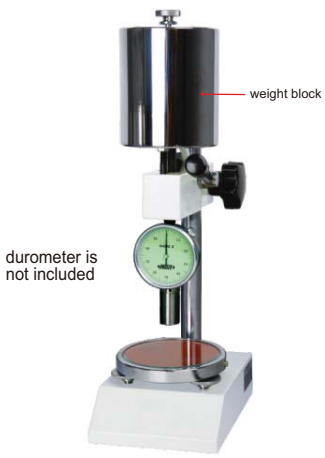
Code	ISH-SAM	ISH-SDM
Price(₹)	7933	13924
Scale	Shore A	Shore D
Application	natural rubber, soft elastomer, etc.	hard elastomer, plastic, hard rubber, etc.
Measuring range*	10~90HA	20~90HD
Graduation	1HA	1HD
Indenter protrusion	2.5mm	2.5mm
Dimension	115x60x25mm	
Net weight	160g	

*Use **ISH-SDM** when measuring result is higher than 90HA
Use **ISH-SAM** when measuring result is lower than 20HD

TESTING STAND FOR SHORE DUROMETERS

VIDEO

ISH-STAC



ISH-STD

- For shore durometers (code **ISH-SAM** and **ISH-SDM**)
- Perform repeatable hardness measurement due to fewer possibilities of human error or measurement variations

SPECIFICATION

Code	ISH-STAC	ISH-STD
Price(₹)	13491	16478
Applicable durometer	ISH-SAM	ISH-SDM
Stage diameter	Ø100mm	Ø100mm
Maximum workpiece height	75mm	75mm
Weight block	1kg	5kg

DIGITAL FORCE GAGES

- Push and pull test
- Units: N, gf, kgf, ozf, lbf
- 500 memories
- Automatic power off
- Metal case
- LCD display with backlight, can turn 180°
- Overload alarm

VIDEO

DATA OUTPUT

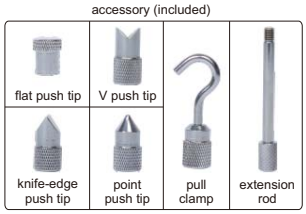
INSPECTION CERTIFICATE

ISF-1DF100

printer (**optional**)

software CD (included)

accessory (included)



SPECIFICATION

Code	ISF-1DF10	ISF-1DF50	ISF-1DF100	ISF-1DF500	ISF-1DF1000
Price(₹)	23635	23635	23635	23635	23635
Load capacity (N)	10	50	100	500	1000
Resolution (N)	0.01	0.01	0.1	0.1	1
Accuracy	±0.3% (of load capacity)				
Measuring mode	tracking, peak (max.), low and high limits with judgement				
Power supply	built-in rechargeable battery				
Dimension	150×73×33mm				
Weight	450g				

STANDARD DELIVERY

Main unit	1pc
AC/DC adapter	1pc
USB cable and software	1pc
Push/pull accessory	6pcs (flat push tip, V push tip, knife-edge push tip, point push tip, pull clamp, extension rod)

OPTIONAL ACCESSORY

Printer	ISF-DF-PRINTER
Test stand	ISF-MT1K

FORCE GAGES

ISF-F500

VIDEO

V push tip (included)

knife-edge push tip (included)

flat push tip (included)

point push tip (included)

pull clamp (included)

extension rod (included)

- Push and pull test
- Peak (max.) or tracking mode

SPECIFICATION

Code		ISF-F30	ISF-F50	ISF-F100	ISF-F200	ISF-F300	ISF-F500
Price(₹)		9881	8626	8626	8626	8626	8626
Capacity	N	30	50	100	200	300	500
	kgf	3	5	10	20	30	50
Graduation	N	0.2	0.25	0.5	1	2	2.5
Accuracy		±1% (of load capacity)					

STANDARD DELIVERY

Main unit	1pc
Push tip	4pcs (flat, V type, knife-edge, point)
Pull clamp	1pc
Extension rod	1pc

OPTIONAL ACCESSORY

Test stand	ISF-MT500

TEST STAND FOR DIGITAL FORCE GAGES CODE ISF-MT1K

horizontal orientation test

digital scale **(optional)**

VIDEO

- For digital force gages (code **ISF-1DFxx**)
- To be used in vertical and horizontal orientation

SPECIFICATION

Price(₹)	31915
Load capacity	1000N
Travel	200mm (3mm vertical movement per revolution of handwheel)
Dimension	196x250x446mm
Weight	13kg

OPTIONAL ACCESSORY

Digital scale (range: 200mm, resolution: 0.01mm/0.0005")	ISF-MT1K-SCALE

force gages are not included

TEST STAND FOR FORCE GAGES CODE ISF-MT500

horizontal orientation test

VIDEO

force gages is not included

- For force gages (code **ISF-FXX**)
- To be used in vertical and horizontal orientation

SPECIFICATION

Price(₹)	9875
Load capacity	500N
Travel	150mm (3mm vertical movement per revolution of handwheel)
Dimension	160×240×460mm
Weight	12kg

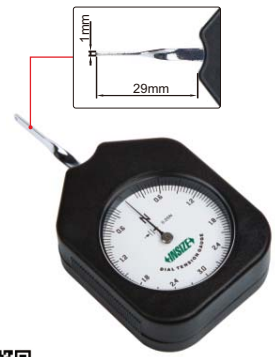
DIAL TENSION GAGES

SPECIFICATION (Unit: N)

Code	ISF-TGD1	ISF-TGD3	ISF-TGD5	ISF-TG1	ISF-TG1D5	ISF-TG3	ISF-TG5
Price(₹)	3632	3632	3632	3632	3632	3632	3632
Capacity (N)	0.1	0.3	0.5	1	1.5	3	5
Graduation (N)	0.002	0.005	0.01	0.02	0.025	0.05	0.1
Accuracy	±2% (full scale)						
Dimension (L×W×H)	90×47×19mm						
Weight	60g						

SPECIFICATION (Unit: gf)

Code	ISF-TG10	ISF-TG30	ISF-TG50	ISF-TG100	ISF-TG150	ISF-TG300	ISF-TG500
Price(₹)	3632	3632	3632	3632	3632	3632	3632
Capacity (gf)	10	30	50	100	150	300	500
Graduation (gf)	0.2	0.5	1	2	2.5	5	10
Accuracy	±2% (full scale)						
Dimension (L×W×H)	90×47×19mm						
Weight	60g						



VIDEO

ISF-TG3

- Clockwise and counter-clockwise use
- For electronic and precision mechanical industry, such as measure contact pressure of relay, adjust the tension or compression of spring

DIGITAL TORQUE SCREWDRIVERS

VIDEO

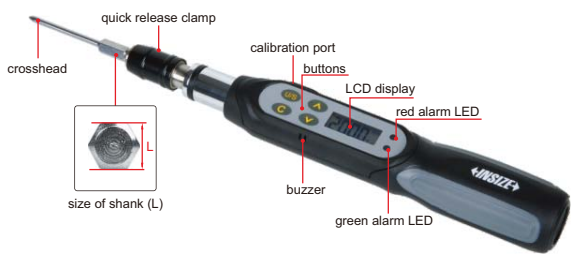
INSPECTION CERTIFICATE

SPECIFICATION

Code		IST-SD50	IST-SD200	IST-SD400
Price(₹)		22972	22972	22972
Range		10~50cN.m	40~200cN.m	80~400cN.m
Accuracy	clockwise	±3%	±2.5%	±2.5%
	counter-clockwise	±4%	±3.5%	±3.5%
Resolution		0.1cN.m	0.1cN.m	0.1cN.m
Size of shank (L)		1/4"	1/4"	1/4"
Power supply		1xAAA battery		
Length		193mm	203mm	203mm
Weight		190g	200g	200g

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE



IST-SD200

- Clockwise and counter-clockwise operation
- Unit: cN.m, in.lb, kg.cm
- Peak and track working mode
- Target torque value can be set, with audible and visible alarm:
  - Green LED light on and buzzer sounds when target torque value is 90%~100% of target torque
  - Red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations

software CD (**optional**)

SMALL RANGE TORQUE SCREWDRIVERS

INSPECTION CERTIFICATE

ACCURACY ±6%

ATTENTION: CLOCKWISE OPERATION ONLY

- According to DIN ISO 6789, ASME B107.300-2010

VIDEO

rotate the handle to set torque

SPECIFICATION

Code	IST-MH1D2	IST-MS1D2
Price(₹)	9170	9170
Head type	hex socket	square driver
Range (clockwise)	0.1~1.2N.m	0.1~1.2N.m
Graduation	0.01N.m	0.01N.m
Accuracy	±6%	±6%
Length	180mm	180mm
Weight	230g	230g

IST-MH1D2

IST-MS1D2

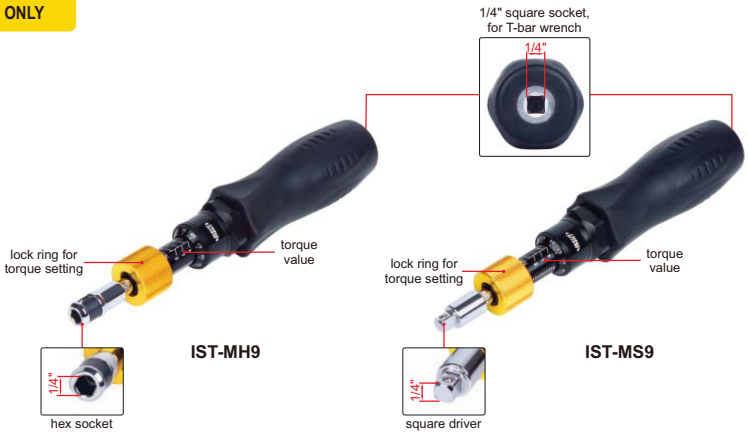
TORQUE SCREWDRIVERS

INSPECTION CERTIFICATE

ACCURACY ±6%

ATTENTION: CLOCKWISE OPERATION ONLY

VIDEO



T-bar wrench (**optional**)

- According to DIN ISO 6789, ASME B107.300-2010

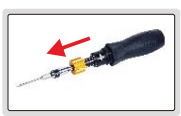
Set torque:

step 1: lift the lock ring

SPECIFICATION

Code	IST-MH3D5	IST-MH6	IST-MH9	IST-MH10	IST-MS3D5	IST-MS6	IST-MS9	IST-MS10
Price(₹)	9455	9644	9931	9931	9455	9644	9931	9931
Range (clockwise)	1~3.5N.m	1~6N.m	4~9N.m	5~10N.m	1~3.5N.m	1~6N.m	4~9N.m	5~10N.m
Graduation	0.05N.m	0.1N.m	0.1N.m	0.1N.m	0.05N.m	0.1N.m	0.1N.m	0.1N.m
Head type	hex socket				square driver			
Accuracy	±6%				±6%			
Length	200mm				200mm			
Weight	300g				300g			

step 2: rotate the handle to set torque



step 3: release the lock ring

OPTIONAL ACCESSORY

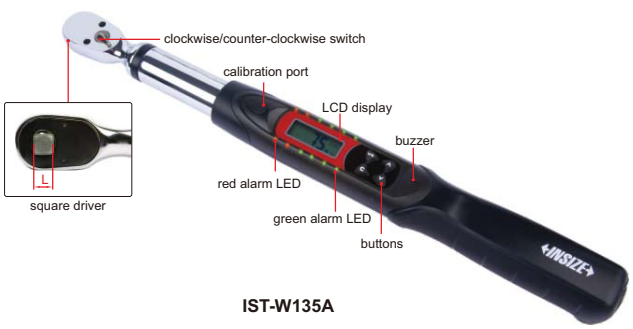
T-bar wrench	IST-M-T BAR

DIGITAL TORQUE WRENCHES

INSPECTION CERTIFICATE

VIDEO

OPTIONAL ACCURACY FOR 6~850N.m:
CLOCKWISE: ±1%
COUNTER-CLOCKWISE: ±2%



IST-W135A

- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak and track working mode
- Target torque value can be set, with audible and visible alarm:
  - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
  - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)

software CD (**optional**)

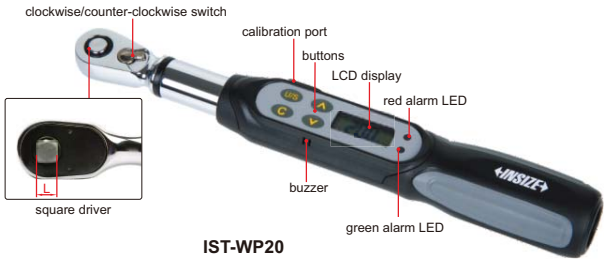
OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE

SPECIFICHE

Code	Range	Accuracy	Resolution	Square driver (L)	Power supply	Length	Weight	Price(₹)
IST-W30A	6~30N.m	clockwise: ±2% counter-clockwise: ±3%	0.01N.m	1/4"	2×AA batteries	390mm	830g	17089
IST-W135A	27~135N.m		0.1N.m	3/8"		415mm	950g	18048
IST-W200A	40~200N.m		0.1N.m	1/2"		530mm	1.4kg	20394
IST-W340A	68~340N.m		0.1N.m	1/2"		650mm	1.6kg	22148
IST-W500A	100~500N.m	clockwise: ±2.5% counter-clockwise: ±3.5%	0.1N.m	3/4"		950mm	2.1kg	53566
IST-W850A	170~850N.m		0.1N.m	3/4"		1220mm	2.55kg	61667
IST-W1200A	240~1200N.m		1N.m	1"		1800mm	13kg	98135
IST-W1500A	300~1500N.m		1N.m	1"		1800mm	13kg	109907
IST-W2000A	400~2000N.m		1N.m	1"		1800mm	14kg	128196

SMALL RANGE DIGITAL TORQUE WRENCHES



IST-WP20

- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak and track working mode
- Target torque value can be set, with audible and visible alarm:
  - Green LED light on and buzzer sounds when target torque value is 90%~100% of target torque
  - Red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

software CD (**optional**)

INSPECTION CERTIFICATE

VIDEO

SPECIFICATION

Code		IST-WP6	IST-WP12	IST-WP20
Price(₹)		24777	18892	18892
Range		1.2~6N.m	2.4~12N.m	4~20N.m
Accuracy	clockwise	±3%	±3%	±3%
	counter-clockwise	±4%	±4%	±4%
Resolution		0.001N.m	0.01N.m	0.01N.m
Size of shank (L)		1/4"	1/4"	1/4"
Power supply		1xAAA battery		
Length		260mm	260mm	260mm
Weight		430g	430g	430g

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE

TORQUE WRENCHES

INSPECTION CERTIFICATE

VIDEO

ACCURACY ±3%

ATTENTION: CLOCKWISE OPERATION ONLY

IST-2WM100

- According to DIN ISO 6789, ASME B107.300-2010

Set torque:

step 1: unlock

step 2: set

step 3: lock

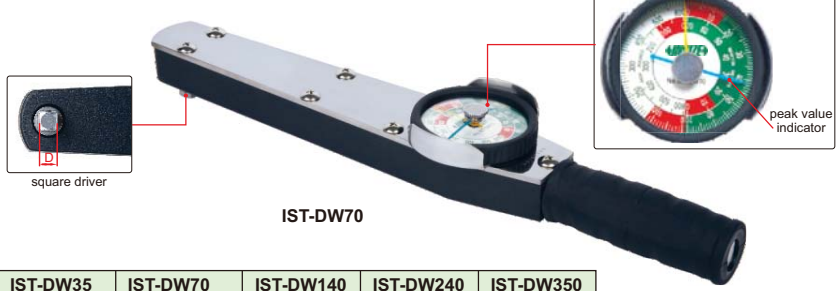
SPECIFICATION

Code	IST-2WM25	IST-2WM60	IST-2WM100	IST-2WM200	IST-2WM340	IST-2WM600	IST-2WM800
Price(₹)	6891	7423	8693	8968	9473	33357	39373
Range (clockwise)	5~25N.m	10~60N.m	20~100N.m	40~200N.m	60~340N.m	100~600N.m	150~800N.m
Accuracy	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Graduation	0.2N.m	0.5N.m	0.5N.m	1N.m	2N.m	5N.m	5N.m
Square driver (D)	1/4"	3/8"	3/8"	1/2"	1/2"	3/4"	3/4"
Length	281mm	337mm	436mm	512mm	614mm	1050mm	1240mm
Weight	590g	760g	1320g	1580g	1800g	5030g	6110g

DIAL TORQUE WRENCHES

ACCURACY: ±4%

INSPECTION CERTIFICATE



IST-DW70

- Clockwise and counter-clockwise operation
- According to DIN ISO 6789, ASME B107.300-2010

SPECIFICATION

Code	IST-DW3D5	IST-DW9	IST-DW18	IST-DW35	IST-DW70	IST-DW140	IST-DW240	IST-DW350
Price(₹)	10025	10025	10368	10368	11590	13326	13326	13326
Range	0.7~3.5N.m 6~30in.lb	1.8~9N.m 15~75in.lb	3.6~18N.m 30~150in.lb	7~35N.m 60~300in.lb	14~70N.m 120~600in.lb	28~140N.m 20~100ft.lb	48~240N.m 35~175ft.lb	70~350N.m 50~250ft.lb
Accuracy	±4%	±4%	±4%	±4%	±4%	±4%	±4%	±4%
Graduation	0.05N.m 0.5in.lb	0.1N.m 1in.lb	0.2N.m 2in.lb	0.5N.m 5in.lb	1N.m 10in.lb	2N.m 1ft.lb	3N.m 2.5ft.lb	2.5N.m 2.5ft.lb
Square driver (D)	1/4"	1/4"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
Length	254mm	254mm	254mm	254mm	378mm	546mm	546mm	546mm
Weight	480g	480g	480g	480g	820g	1300g	1300g	1300g

VIDEO

INTERCHANGEABLE HEAD TORQUE WRENCH SETS

ATTENTION: CLOCKWISE OPERATION ONLY

ACCURACY ±3%

INSPECTION CERTIFICATE

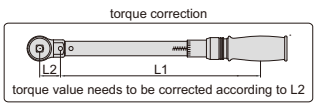
VIDEO

- According to DIN ISO 6789, ASME B107.300-2010

IST-8WM60

SPECIFICATION

Code	IST-8WM20	IST-8WM60	IST-8WM200
Price(₹)	13148	13823	20170
Range (clockwise)	4~20N.m	10~60N.m	40~200N.m
Accuracy	±3%	±3%	±3%
Graduation	0.1N.m	0.5N.m	1N.m
Socket size (A×B)	12×9mm		18×14mm
Arm length (L1)	261mm	261mm	420mm
Length	306mm	306mm	484mm
Weight	1372g	1372g	3825g



ratchet head (included)

box end head (included, **only for IST-8WM20, IST-8WM60**)

open end head (included)

STANDARD DELIVERY

Code	IST-8WM20	IST-8WM60	IST-8WM200
Torque wrench	1pc	1pc	1pc
Ratchet head	1pc (1/4")	1pc (3/8")	1pc (1/2")
Box end head	3pcs (size 10, 13, 17mm)		–
Open end head	3pcs (size 10, 13, 17mm)		9pcs (size 13, 14, 15, 17, 19, 22, 24, 27, 30mm)

Set torque:

step 1: unlock

step 2: set

step 3: lock

CLASSIC TORQUE WRENCHES

INSPECTION CERTIFICATE

ACCURACY ±4%

LOUD CLICK SOUND

VIDEO

- Clockwise and counter-clockwise operation
- Unit: N.m, kgf.m, lbf.in, lbf.ft
- Loud click sound when target torque value is reached
- According to DIN ISO 6789, ASME B107.300-2010

IST-7WM135

SPECIFICATION

Code		IST-7WM33	IST-7WM68	IST-7WM135	IST-7WM225	IST-7WM330	IST-7WM560	IST-7WM800	IST-7WM1000
Price(₹)		6365	6625	7859	8005	10378	35367	38663	49001
Range	N.m	5~33	12~68	25~135	50~225	70~330	140~560	200~800	200~1000
	kgf.m	0.5~3.4	1.2~7	3~14	5~23	7~35	14~57	22~82	22~100
	lbf.in	40~300	100~600	200~1200	400~2000	60~3000	120~5000	1800~7200	1800~8850
	lbf.ft	4~24	10~50	20~100	40~160	50~250	100~410	140~600	140~740
Accuracy		±4%	±4%	±4%	±4%	±4%	±4%	±4%	±4%
Graduation	N.m	1	2	5	5	10	10	20	20
	kgf.m	0.1	0.2	1	1	1	1	2	2
	lbf.in	10	20	50	50	100	100	200	200
	lbf.ft	1	2	2	5	10	10	20	20
Square driver (D)		1/4"	3/8"	1/2"	1/2"	1/2"	3/4"	3/4"	1"
Length		425mm	500mm	556mm	600mm	805mm	996mm	1070mm	1400mm
Weight		720g	1050g	1600g	2300g	2600g	7410g	7580g	12800g

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Download mobile App for **ONLINE STOCK** and **PRICE** from: **http://insize.in/insizeapp/apk/insize.apk**

Watch operation videos at **http://www.insize.com/support.php**

SALES

- INSIZE is our standard quality and made in Asia – Korea, China, Taiwan, etc.
- INSIZE PLUS is our premium quality and mainly made in Germany, UK and Italy.
- Some products marked with 'Basic model' are only for basic use.
- **Quality Warranty** – 12 months, against manufacturing defect. Repair or replacement will be at the discretion of the manufacturer.
- For verification of genuineness refer bar code sticker on the box.
- Manufacturer inspection certificates traceable to DKD Germany or NIST USA are provided with instruments marked in asterisk.

SERVICE

- Mobile App: scan QR code to download mobile App to view online stock and price on mobile.

SPARES

- Many spares will be available ex-stock.

REPAIRS

- Online help will be provided to repair the instrument yourself. Or you can either return the instrument to us at Ahmedabad or to the dealer along with the invoice on paid basis for faster process. Not necessary to approach our dealer for repairs.

CALIBRATION

- Ask for NABL calibration from our Dealers at extra but economical rates.

DEMO & TECHNICAL ASSISTANCE

- Demo will be provided at our showroom in Ahmedabad and at exhibitions in your city. Refer our website http://www.insize.in/exhibition.php, to know about our participation in your city.
- We provide "Custom Made Calipers". Please provide drawings.

Download	Link
Catalog	http://www.insize.in/catalogue.php
Promotion	http://www.insize.com/products/pdf/pro.php
Price List	http://www.insize.in/catalogue.php
Application Index	http://www.insize.in/products/app.php
Operation Manual	http://www.insize.com/login1.php
Operation Video	http://www.insize.in/support.php
Spares	http://www.insize.in/spares.php
Exhibition List	http://www.insize.in/exhibition.php
Verify Genuineness	http://www.insize.com/verify.php

INSIZE (INDIA)
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Odhav, Ahmedabad-382415 Gujarat, India.

Matter	E-mail ID / Link / Web Address		
Quote	sales-in@insize.com, cc: india@insize.com		
Online Stock	insize.in/login.php, then-user ID & password		
Website	www.insize.in		
	Mobile	**Telephone**	**E-mail ID**
OA,Invoice,A/c	7819819938	9624899952	india@insize.com
Technical	7819819939	9662519942	ahmedabad@insize.com
Repairing	9662519942	079-65458950	
Dispatch	9624899953	079-65400202	india@insize.com
Calibration	9860779643	9624899973	
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