

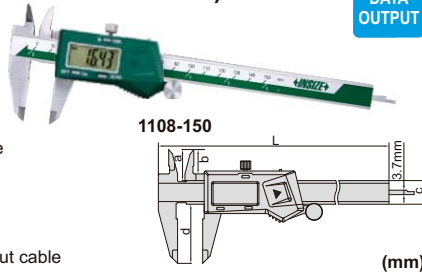
EFFECTIVE: Sep. 1st, 2019 - Dec. 31st, 2019

DIGITAL CALIPERS (STANDARD TYPE)

DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO DKD

- ▶ 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



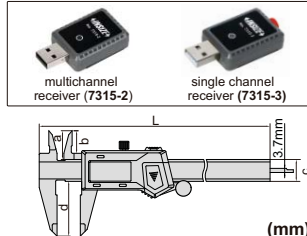
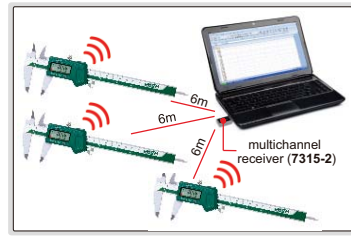
Code	Range	Accuracy	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1108-150*	0-150mm/0-6"	±0.02mm	236	21	16	16	40	2263	1792
1108-200*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	3116	2705
1108-300*	0-300mm/0-12"	±0.03mm	400	25	20.5	16	60	5468	4856

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPERS

INSPECTION CERTIFICATE TRACEABLE TO DKD

- ▶ Built-in wireless data transfer module, zigbee signal
- ▶ Transfer distance is 6 meter, resolution: 0.01mm/0.0005"
- ▶ Buttons: on/off, zero, mm/inch, data transfer
- ▶ Automatic power off, move the digital unit to turn on power
- ▶ Battery CR2032
- ▶ Made of stainless steel
- ▶ Optional accessory: receiver (code 7315-2, 7315-3)



Code	Range	Accuracy	L	a	b	d	c	List Price (₹)	Promotion Price (₹)
1113-150*	0-150mm/0-6"	±0.03mm	236	21	16	40	16	5016	4515
1113-200*	0-200mm/0-8"	±0.03mm	286	24	19	50	16	5938	5344
1113-300*	0-300mm/0-12"	±0.03mm	400	25	20.5	60	16	8454	7608

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPERS (BASIC TYPE)

ATTENTION: NO DATE OUTPUT



- ▶ Resolution: 0.01mm/0.0005"
- ▶ Buttons: zero, on/off, mm/inch
- ▶ Battery LR44, meet DIN862, made of stainless steel

Code	Range	Accuracy	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1112-150	0-150mm/0-6"	±0.03mm	236	21	16	16	40	2010	1590
1112-200	0-200mm/0-8"	±0.03mm	286	24	19	16	50	2813	2413
1112-300	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	5188	4437

DIAL CALIPERS

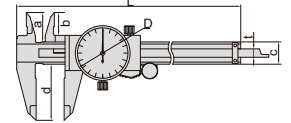
SHOCK PROOF

INSPECTION CERTIFICATE TRACEABLE TO DKD



1312-150A

- ▶ Accuracy: ±0.03mm
- ▶ Shockproof dial indicator
- ▶ Made of stainless steel



Dial indicator graduation 0.02mm (mm)

Code	Range	L	a	b	c	d	D	t	List Price (₹)	Promotion Price (₹)
1312-150A*	0-150mm	235	21	16.5	16	40	Ø39	6.5	2316	2169
1312-200A*	0-200mm	288	24	19	16	48	Ø39	6.5	3086	2889
1312-300A*	0-300mm	410	28	22	20	62	Ø44.5	7.5	5258	4804

*Supplied with manufacturer inspection certificate traceable to DKD Germany

HEAVY DUTY 300mm DIGITAL CALIPER (PREMIUM TYPE)

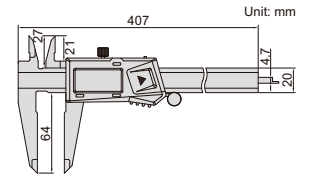
INSPECTION CERTIFICATE TRACEABLE TO DKD

DATA OUTPUT



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

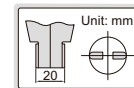


Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1196-300*	0-300mm/0-12"	±0.03mm	6732	6331

*Supplied with manufacturer inspection certificate traceable to DKD Germany

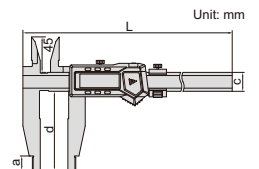
DIGITAL CALIPERS

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

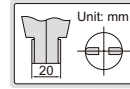


Code	Range	Accuracy	a	c	d	L	List Price (₹)	Promotion Price (₹)
1136-501	0-500mm/0-20"	±0.05mm	18	24	100	675	14754	12717
1136-601	0-600mm/0-24"	±0.05mm	18	24	100	770	19264	14316

DIGITAL CALIPERS

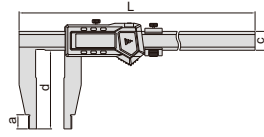


1106-501



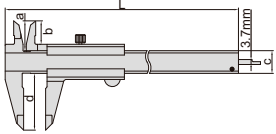
DATA OUTPUT

- ▶ 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	Range	Accuracy	a	c	d	L	List Price (₹)	Promotion Price (₹)
1106-501	0-500mm/0-20"	±0.05mm	18	24	100	675	12542	10084
1106-601	0-600mm/0-24"	±0.05mm	18	24	100	770	16393	11863
1106-1002	0-1000mm/0-40"	±0.08mm	24	31	150	1220	35886	29757

VERNIER CALIPERS



1205-1502S

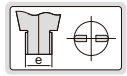
- ▶ Accuracy: ±0.03mm, graduation: 0.02mm/0.001"
- ▶ Meet DIN862, made of stainless steel
- ▶ Satin chrome plated reading surface

Code	Range	L	a	b	c	d	List Price (₹)	Promotion Price (₹)
1205-1502S	0-150mm/0-6"	235	20.5	15.5	16	40	1574	1355
1205-2002S	0-200mm/0-8"	290	23.5	19	17	50	2373	2102

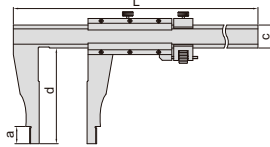
VERNIER CALIPERS



1214-600

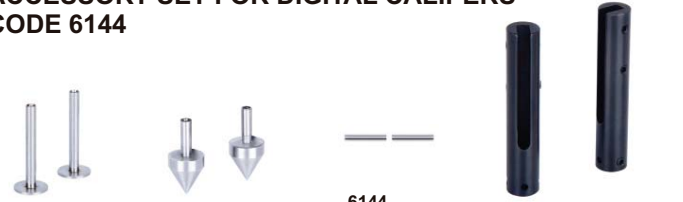


- ▶ Graduation: 0.02mm/0.001"
- ▶ With fine adjustment
- ▶ Made of stainless steel
- ▶ Satin chrome plated reading surface

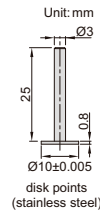


Code	Range	Accuracy	a	c	d	e	L	List Price (₹)	Promotion Price (₹)
1214-500	0-500mm/0-20"	±0.05mm	18	24	100	20	670	7838	6716
1214-600	0-600mm/0-24"	±0.05mm	18	24	100	20	770	8847	7489
1214-1000	0-1000mm/0-40"	±0.08mm	24	32	140	20	1216	25414	22179

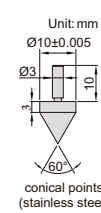
ACCESSORY SET FOR DIGITAL CALIPERS CODE 6144



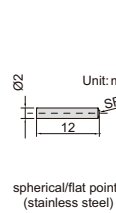
6144



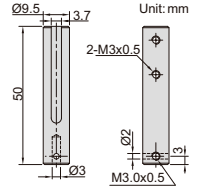
disk points (stainless steel)



conical points (stainless steel)

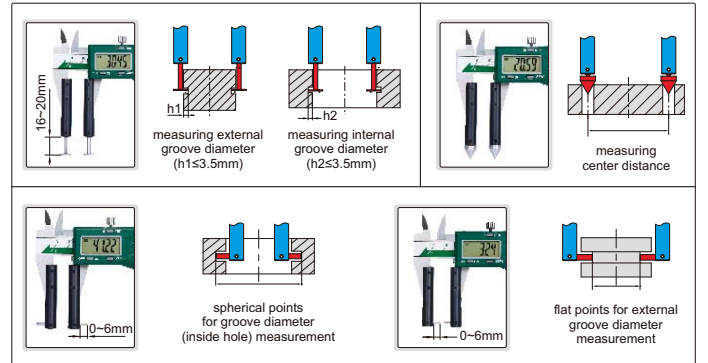


spherical/flat points (stainless steel)



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

Code	List Price (₹)	Promotion Price (₹)
6144	2917	2587

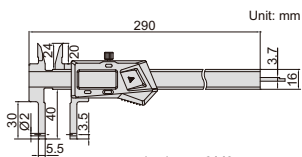


DIGITAL CALIPER WITH INTERCHANGEABLE POINTS CODE 1526-200

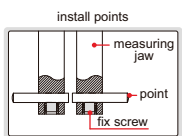
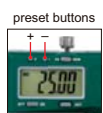
DATA OUTPUT



1526-200



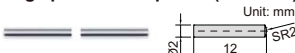
zero setting block for external measurement (included)



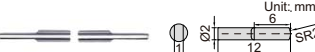
Short spherical points (included)



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

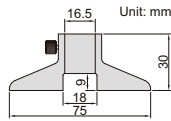
Code	List Price (₹)	Promotion Price (₹)
1526-200	14412	11783

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

DEPTH BASE ATTACHMENT



6140



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

Code	Application	List Price (₹)	Promotion Price (₹)
6140	Suitable for calipers with beam width (w) 16mm	750	655

DIGITAL INSIDE GROOVE CALIPER

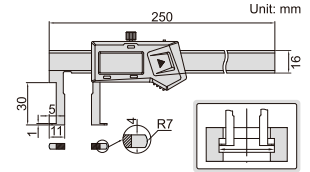
DATA OUTPUT



1120-150A



- ▶ 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



depth stop 6143 (optional)

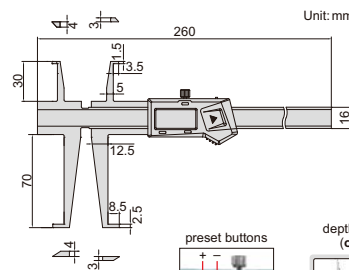
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1120-150A	22-150mm	±0.04mm	7589	5352



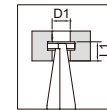
DIGITAL INSIDE GROOVE CALIPER



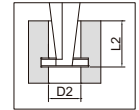
1176-150



sizes to be measured (use upper jaws)



sizes to be measured (use lower jaws)



- ▶ 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



(mm)		(mm)		(mm)	
D1	L1	D2	L2	D2	L2
Ø9	<8	Ø15	<10	Ø19	<42
Ø10	<15	Ø16	<18	Ø20	<50
Ø11~150	<30	Ø17	<26	Ø21	<58
		Ø18	<34	Ø22~150	<70

Code	Range of upper jaw	Range of lower jaw	Accuracy	List Price (₹)	Promotion Price (₹)
1176-150	9-150mm/0.35-6"	15-150mm/0.59-6"	±0.04mm	10871	9967

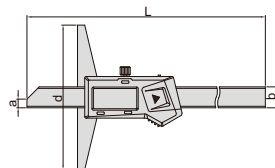
DIGITAL DEPTH GAGES (STANDARD TYPE)

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



(mm)

Code	Range	Accuracy	L	a	b	d	List Price (₹)	Promotion Price (₹)
1141-150A	0-150mm/0-6"	±0.03mm	230	6	14.5	100	3289	2584
1141-200A	0-200mm/0-8"	±0.03mm	280	6	14.5	100	3993	3138
1141-300A	0-300mm/0-12"	±0.03mm	380	6	14.5	150	8488	6676

WATERPROOF DIGITAL DEPTH GAGES

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

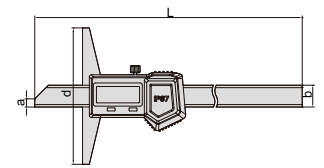


1149-150

ATTENTION: NO DATE OUTPUT

IP67 WATERPROOF

- ▶ 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	List Price (₹)	Promotion Price (₹)
1149-150	0-150mm/0-6"	±0.03mm	240	6	16	100	10506	8495
1149-200	0-200mm/0-8"	±0.03mm	290	6	16	100	14376	11624
1149-300	0-300mm/0-12"	±0.03mm	390	6	16	150	18447	14915

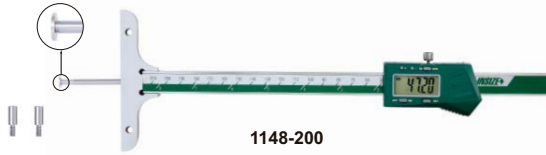
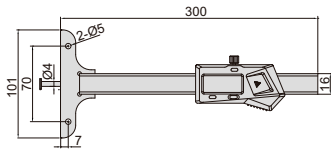
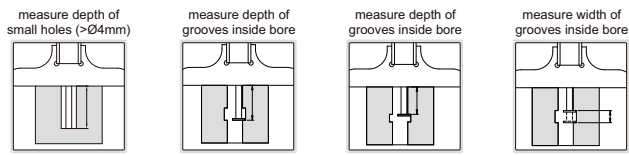
DIGITAL DEPTH GAGES WITH ROUND DEPTH BAR

- ▶ 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, disk points (see below table), extension base (code 6141)

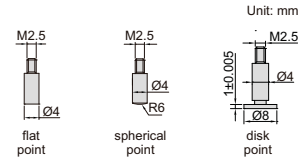
MEASURE WIDTH AND DEPTH OF GROOVES INSIDE BORE

MEASURE DEPTH OF SMALL HOLES (>Ø4mm)

DATA OUTPUT



1148-200



Code	Range	Accuracy	Remark	List Price (₹)	Promotion Price (₹)
1148-200	0-200mm/0-8"	±0.03mm	with mounting holes for extension base	13966	12715

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

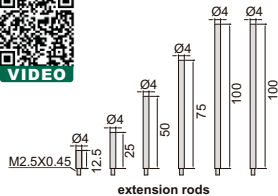
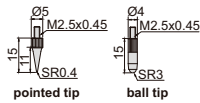
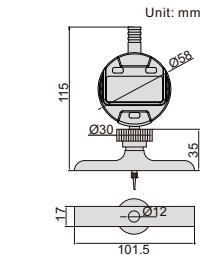
DIGITAL DEPTH GAGE

DATA OUTPUT



2141-202A

- ▶ 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 output
- ▶ Stainless steel base
- ▶ Extension rods: 12.5mm (1 pc), 25mm (1 pc), 50mm (1 pc), 75mm (1 pc), 100mm (2 pcs)
- ▶ Supplied with pointed tip and ball tip
- ▶ Optional accessory: data output cable



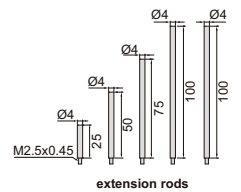
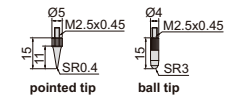
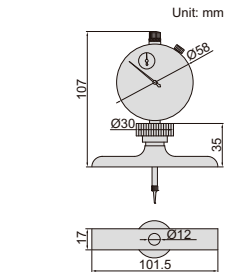
Code	Range	Accuracy	Base	List Price (₹)	Promotion Price (₹)
2141-202A	0-300mm/0-12"	±20µm	101.5x17mm	9638	7110

DIAL DEPTH GAGE



2342-202

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

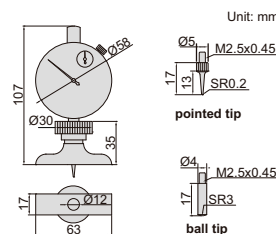


Code	Range	Base	Accuracy	List Price (₹)	Promotion Price (₹)
2342-202	0-300mm	101.5x17mm	±0.03mm	7184	6496

DIAL DEPTH GAGE

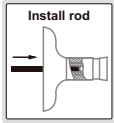
- ▶ Dial indicator graduation: 0.01mm
- ▶ Stainless steel base
- ▶ Supplied with pointed tip and ball tip

Code	Range	Dial indicator stroke	Accuracy	List Price (₹)	Promotion Price (₹)
2341-101A	0-10mm	10mm	±0.017mm	4193	3523



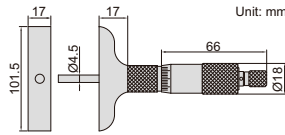
2341-101A

DEPTH MICROMETER



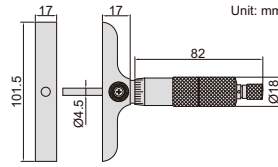
3240-25

- ▶ Graduation: 0.01mm
- ▶ Meet DIN863-2
- ▶ Micrometer head accuracy: $\pm 3\mu\text{m}$
- ▶ Rod accuracy: $\pm (2+L/75)\mu\text{m}$, L is the measuring range in mm
- ▶ Rods with flat end
- ▶ Ratchet stop



Code	Range	Rods	List Price (₹)	Promotion Price (₹)
3240-25	0-25mm	1 pc	2984	2632

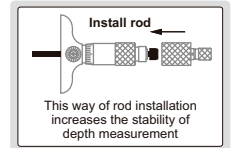
DEPTH MICROMETERS



3241-150

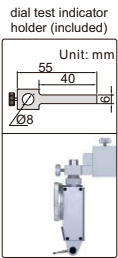
- ▶ Graduation: 0.01mm, meet DIN863-2
- ▶ Micrometer head accuracy: $\pm 3\mu\text{m}$
- ▶ Rod accuracy: $\pm (2+L/75)\mu\text{m}$, L is the measuring range in mm
- ▶ Rods with flat end
- ▶ Ratchet stop

Code	Range	Rods	List Price (₹)	Promotion Price (₹)
3241-150	0-150mm	6 pcs	7615	7018
3241-300	0-300mm	12 pcs	12150	11471



DIGITAL HEIGHT GAGE (ECONOMIC TYPE)

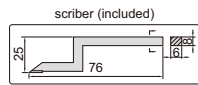
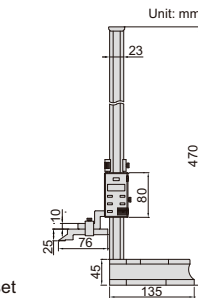
ATTENTION: CAN NOT USE CLAMP FOR PROTRACTORS (CODE 2372-CLAMP)



1150-300

ATTENTION: LOW ACCURACY

DATA OUTPUT

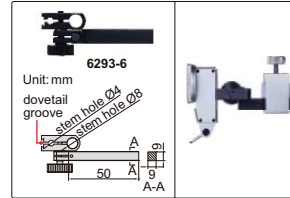


- ▶ Resolution: 0.01mm/0.0005"
- ▶ Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ▶ ABS/INC is for absolute and incremental measurement
- ▶ TOL is for tolerance measurement
- ▶ Carbide tipped scriber
- ▶ Made of stainless steel (except the base)
- ▶ LR44 battery, data output
- ▶ Supplied with dial test indicator holder
- ▶ Supplied with dust cover
- ▶ Optional accessory: data output cable (code 7302-SPC7, keyboard format)

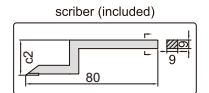
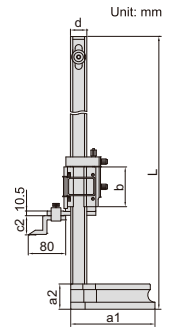
Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1150-300	0-300mm/0-12"	$\pm 0.05\text{mm}$	17399	11867

VERNIER HEIGHT GAGES

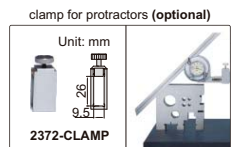
dial test indicator holder (optional)



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)



Code	Range	Accuracy	L	a1	a2	b	c2	d	List Price (₹)	Promotion Price (₹)
1250-300	0-300mm/0-12"	$\pm 0.04\text{mm}$	545	135	43	75	30	28	10270	9041
1250-600	0-600mm/0-24"	$\pm 0.05\text{mm}$	870	180	54	85	41	35	15761	14488

DIGITAL HEIGHT GAGES WITH DRIVING WHEEL

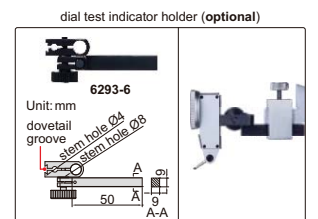
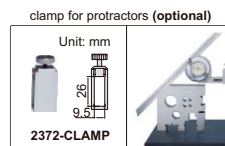
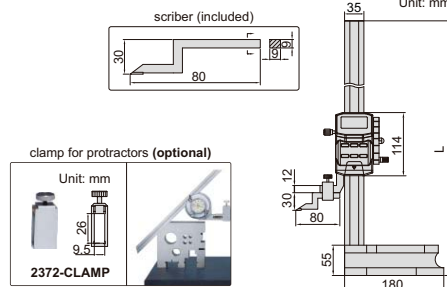
DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO DKD



1156-300

- ▶ Resolution: 0.01mm/0.0005"
- ▶ Buttons: on/off, zero, mm/inch, 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, dial test indicator holder (code 6293-6), clamp for protractors (code 2372-CLAMP)



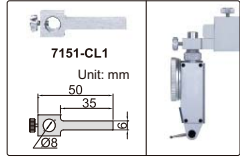
Code	Range	Accuracy	L	List Price (₹)	Promotion Price (₹)
1156-300*	0-300mm/0-12"	$\pm 0.03\text{mm}$	515mm	20139	17904
1156-600*	0-600mm/0-24"	$\pm 0.05\text{mm}$	815mm	30261	27970

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL HEIGHT GAGE

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

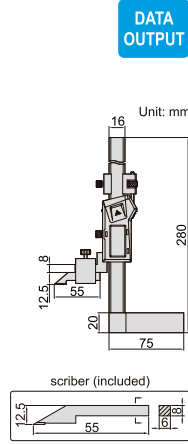
dial test indicator holder (optional)



- ▶ Accuracy: $\pm 0.03\text{mm}$
- ▶ 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, dial test indicator holder (code 7151-CL1)



1154-150



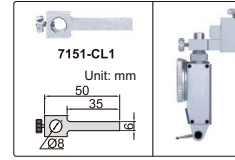
DATA OUTPUT

Code	Range	Resolution	List Price (₹)	Promotion Price (₹)
1154-150	0-150mm/0-6"	0.01mm/0.0005"	7543	5612

VERNIER HEIGHT GAGE

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

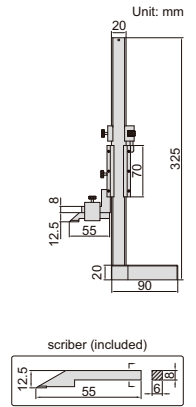
dial test indicator holder (optional)



- ▶ 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)



1253-200



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
1253-200	0-200mm/0-8"	$\pm 0.03\text{mm}$	8909	7056

DIGITAL OUTSIDE MICROMETERS (BASIC TYPE)

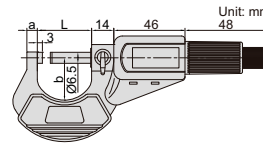
ATTENTION: NO DATE OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO DKD

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



3109-25A



Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3109-25A*	0-25mm/0-1"	$\pm 2\mu\text{m}$	32	6	27.5	3905	3241
3109-50A*	25-50mm/1-2"	$\pm 2\mu\text{m}$	57	8	37	4715	4307

*Supplied with manufacturer inspection certificate traceable to DKD Germany

spherical anvil is included



DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)

INSPECTION CERTIFICATE TRACEABLE TO DKD

DATA OUTPUT

IP65 WATERPROOF



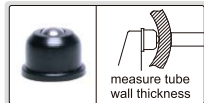
3108-25A



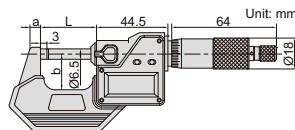
ATTENTION: NO DATA OUTPUT

IP65 WATERPROOF

spherical anvil is included



- ▶ 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	List Price (₹)	Promotion Price (₹)
3108-25A*	0-25mm/0-1"	$\pm 2\mu\text{m}$	34.5	6	25	5257	4961
3108-50A*	25-50mm/1-2"	$\pm 2\mu\text{m}$	59.5	8	32	6569	6027

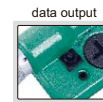
*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT)

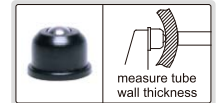
INSPECTION CERTIFICATE TRACEABLE TO DKD



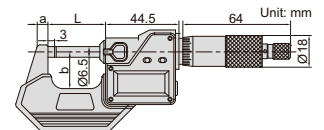
3101-25A



spherical anvil is included



- ▶ 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



(mm)

Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3101-25A*	0-25mm/0-1"	$\pm 2\mu\text{m}$	34.5	6	25	9570	8044
3101-50A*	25-50mm/1-2"	$\pm 2\mu\text{m}$	59.5	8	32	10319	8705

*Supplied with manufacturer inspection certificate traceable to DKD Germany

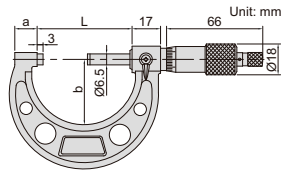
1µm GRADUATION OUTSIDE MICROMETERS



3210-25A

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

INSPECTION CERTIFICATE
TRACEABLE TO DKD



Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3210-25A*	0-25mm	4µm	32	9	28	1640	1478
3210-50A*	25-50mm	4µm	57	14	38	1799	1630

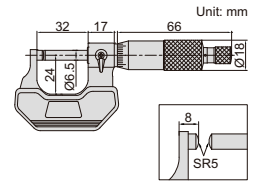
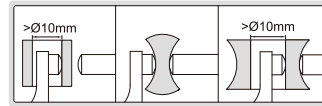
*Supplied with manufacturer inspection certificate traceable to DKD Germany

SPHERICAL ANVIL TUBE MICROMETER



3260-25SA

- ▶ Meet DIN863-3
- ▶ Measure wall thickness of tubes
- ▶ Graduation 0.01mm
- ▶ Ratchet stop
- ▶ Carbide measuring faces



Code	Range	Accuracy	List Price (₹)	Promotion Price (₹)
3260-25SA	0-25mm	4µm	2251	1947

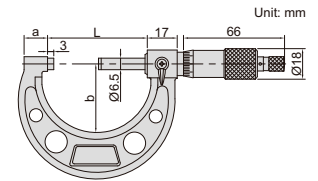
OUTSIDE MICROMETERS

- ▶ Graduation: 0.01mm
- ▶ Carbide measuring faces, ratchet stop
- ▶ Meet DIN863-1
- ▶ Supplied with setting standards (except 0-25mm)

INSPECTION CERTIFICATE
TRACEABLE TO DKD



3203-50A



Code	Range	Accuracy	L	a	b	List Price (₹)	Promotion Price (₹)
3203-25A*	0-25mm	±2µm	32	9	28	1385	1229
3203-50A*	25-50mm	±2µm	57	14	38	1570	1452
3203-75A*	50-75mm	±2µm	82	15	49	1821	1625
3203-100A*	75-100mm	±3µm	107	15	60	2025	1801

Set

Code	Range	Micrometers included	Packaging	List Price (₹)	Promotion Price (₹)
3203-1004A*	0-100mm	3203-25A, 3203-50A, 3203-75A, 3203-100A	blow mould case	6369	6144

*Supplied with manufacturer inspection certificate traceable to DKD Germany

OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

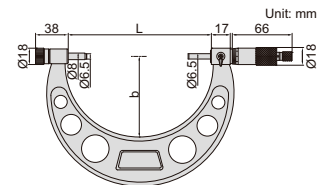


3206-150A

- ▶ Graduation: 0.01mm
- ▶ Ratchet stop
- ▶ Meet DIN863-3
- ▶ Carbide measuring faces
- ▶ Supplied with setting standards



setting ring is included

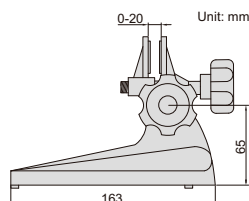


Code	Range	Accuracy	L	b	Setting standard (included)	List Price (₹)	Promotion Price (₹)
3206-150A	0-150mm	6µm	158	82	25, 50, 75, 100, 125	10733	9716
3206-300A	150-300mm	9µm	308	165	150, 175, 200, 225, 250, 275	13733	11772

MICROMETER STAND



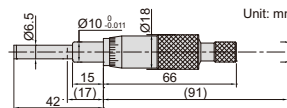
6301



- ▶ Suitable for micrometers up to 100mm

Code	List Price (₹)	Promotion Price (₹)
6301	1029	753

MICROMETER HEAD



6381-25W

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

Code	Range	Stem	Spindle tip	Accuracy	List Price (₹)	Promotion Price (₹)
6381-25W	0-25mm	plain	flat (carbide)	3µm	1423	1043

THREE POINTS INTERNAL MICROMETERS



setting rings are included



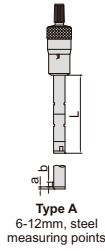
extension rods are included



- ▶ Meet DIN863-4
- ▶ 6-12mm: graduation 0.001mm, 12-100mm: graduation 0.005mm
- ▶ Ratchet stop
- ▶ Optional accessory: setting rings (code 6312), micrometer stand and clamp (code 6301 and 6301-2)



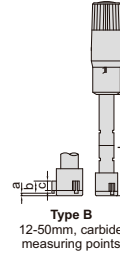
3227-8



Type A
6-12mm, steel measuring points



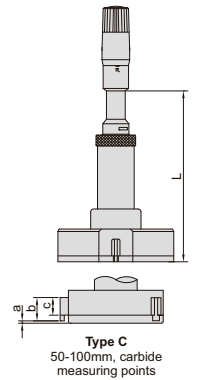
3227-16



Type B
12-50mm, carbide measuring points



3227-100



Type C
50-100mm, carbide measuring points

Individual

Code	Range	Type	Accuracy	Setting ring (included)	Extension rod (included)	L	a	b	c	List Price (₹)	Promotion Price (₹)
3227-8*	6-8mm	A	4µm	Ø6mm	100mm	54.5	1.5	2.5	—	15878	13970
3227-10*	8-10mm	A	4µm	Ø8mm	100mm	54.5	1.5	2.5	—	15878	13970
3227-12*	10-12mm	A	4µm	Ø10mm	100mm	54.5	1.5	2.5	—	15878	13970
3227-16*	12-16mm	B	4µm	Ø16mm	150mm	80	0.5	6	4.5	11996	10553
3227-20*	16-20mm	B	4µm	Ø16mm	150mm	80	0.5	6	4.5	11996	10553
3227-25*	20-25mm	B	4µm	Ø25mm	150mm	90	0.5	8	6	16861	14834
3227-30*	25-30mm	B	4µm	Ø25mm	150mm	90	0.5	8	6	16861	14834
3227-40*	30-40mm	B	4µm	Ø40mm	150mm	97	0.5	14	12	18160	15977
3227-50*	40-50mm	B	5µm	Ø40mm	150mm	97	0.5	14	12	21090	18555
3227-63*	50-63mm	C	5µm	Ø62mm	150mm	114	0.5	17.5	14.5	22832	20088
3227-75*	62-75mm	C	5µm	Ø62mm	150mm	114	0.5	17.5	14.5	24491	21548
3227-88*	75-88mm	C	5µm	Ø87mm	150mm	114	0.5	17.5	14.5	25598	22521
3227-100*	87-100mm	C	5µm	Ø87mm	150mm	114	0.5	17.5	14.5	26621	23420

micrometer stand with clamp (optional)



Set

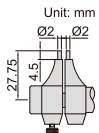
Code	Range	Micrometers included	Setting ring (included)	Extension rod (included)	List Price (₹)	Promotion Price (₹)
3227-123*	6-12mm	6-8mm, 8-10mm, 10-12mm	Ø6mm, Ø8mm, Ø10mm	100mm	44423	39082
3227-202*	12-20mm	12-16mm, 16-20mm	Ø16mm	150mm	22327	19643
3227-504*	20-50mm	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm	63746	56083
3227-1004*	50-100mm	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm	85282	75029



3227-504

*Supplied with manufacturer inspection certificate

INSIDE MICROMETER (ECONOMIC TYPE)



3220-30

ATTENTION: LOW PARALLELISM OF TWO MEASURING FACES

setting ring is included



micrometer stand with clamp (optional)



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

Code	Range	Setting ring	Accuracy	List Price (₹)	Promotion Price (₹)
3220-30	5-30mm	5mm (included)	7µm	4120	3587

DIGITAL INSIDE MICROMETER (ECONOMIC TYPE)

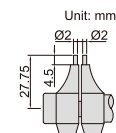


3520-30

ATTENTION: LOW PARALLELISM OF TWO MEASURING FACES

DATA OUTPUT

- ▶ 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 setting ring (code 6312)



setting ring is included



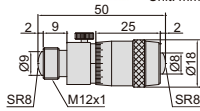
Code	Range	Setting ring	Accuracy	List Price (₹)	Promotion Price (₹)
3520-30	5-30mm / 0.2-1.2"	5mm (included)	±5µm	14662	11851

TUBULAR INSIDE MICROMETER

- ▶ Range: 50-300mm, graduation: 0.01mm
- ▶ Extension rods 13mm, 25mm, 50mm (2 pcs), 100mm
- ▶ Accuracy: $(3+n+L/50)\mu\text{m}$
n=number of rods
L=maximum measuring length (mm)
- ▶ Supplied with setting standards, carbide measuring faces

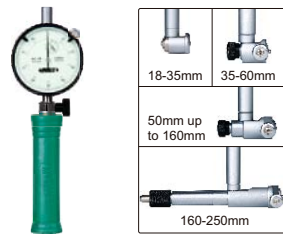
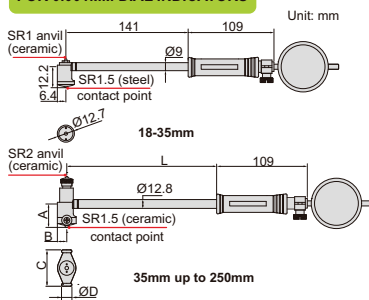


Code	Travel of micrometer head	List Price (₹)	Promotion Price (₹)
3222-300	13mm	8372	7855



BORE GAGES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



Range	A	B	C	ØD	L
35-60mm	22	9	27	13	141
50-160mm	26	9	35	13	141
160-250mm	56.5	13	74.5	15	241

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

With dial indicator

Code	Range	Indicator	Accuracy	List Price (₹)	Promotion Price (₹)
2322-35A	18-35mm	dial indicator, range 10mm, graduation 0.01mm (code 2308-10FA)	±0.015mm	6490	4971
2322-60A	35-60mm		±0.018mm	6483	4971
2322-160A	50-160mm		±0.018mm	6738	5161
2322-250A	160-250mm		±0.018mm	9308	7393

BORE GAGE SETS

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

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

packaging (code 2824-S3)

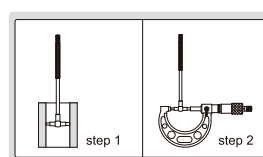


Code	Range	Indicator	Bore gages included	Accuracy	List Price (₹)	Promotion Price (₹)
2824-S160	35-160mm	dial indicator, range 10mm, graduation 0.01mm (code 2308-10FA)	① 35-50mm (dial indicator and handle are not included) ② 50-160mm	35-50mm ±0.018mm 50-160mm ±0.018mm	9792	7323
2824-S3	18-160mm		① 18-35mm 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	18518	11944



TELESCOPING GAGE SET

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



Code	Total range	Gages included	List Price (₹)	Promotion Price (₹)
4206-1	8-150mm	8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm	1651	1360

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

BORE GAGE SETTER

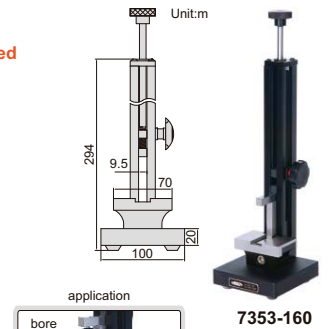


- ▶ Vertical and horizontal use
- ▶ To be used with gage blocks
- ▶ With gage block set

Gage block set for 7353-160

Blocks per set	Size (mm)	Step (mm)	Quantity (pcs)	Remark
33	1.005	0.01	1	grade 2 (ISO3650)
	1.01-1.09		9	
	1.1-1.9		9	
	1-9		9	
	10-30		1	
	50		3	
	100		1	
	1		1	

Code	Range	Repeatability	List Price (₹)	Promotion Price (₹)
7353-160	0-160mm	1.2µm	25690	22910

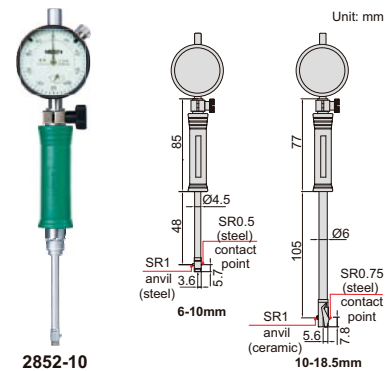


BORE GAGES FOR SMALL HOLES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



- ▶ Accuracy: ±0.012mm
- ▶ Repeatability: 0.003mm
- ▶ Optional accessory: setting ring (code 6312)



With dial indicator

Code	Range	Indicator	List Price (₹)	Promotion Price (₹)
2852-10	6-10mm	dial indicator, range 3mm, graduation 0.01mm (code 2311-3F)	8787	6566
2852-18	10-18.5mm		7926	6433

DIGITAL INDICATORS (STANDARD TYPE)

INSPECTION CERTIFICATE
TRACEABLE TO NIST

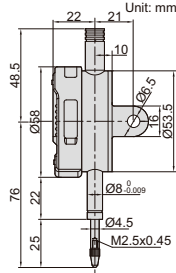
spindle lift knob is included



- ▶ Range: 12.7mm/0.5"
- ▶ Button function: on/off, inch/mm, zero
- ▶ CR2032 battery, automatic power off
- ▶ With lug back
- ▶ Data output
- ▶ Optional accessory: data output cable, backs, contact points



2112-10



DATA OUTPUT

Code	Resolution	Accuracy	Hysteresis	List Price (₹)	Promotion Price (₹)
2112-10*	0.01mm/0.0005"	20µm	10µm	3914	3268
2112-101*	0.001mm/0.00005"	5µm	2µm	9511	8297

*Supplied with manufacturer inspection certificate traceable to NIST USA

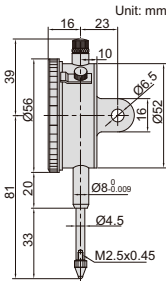
DIAL INDICATOR (PROMOTION TYPE)

INSPECTION CERTIFICATE
TRACEABLE TO NIST

- ▶ Graduation: 0.01mm
- ▶ Range/rev: 1mm
- ▶ Dial reading: 0-100
- ▶ Lug back with spare flat back
- ▶ Supplied with limit pointers and bezel clamp
- ▶ Packed in carton box
- ▶ Optional accessory: backs, contact points



2302-25



carton box



Code	Range	Accuracy	Hysteresis	List Price (₹)	Promotion Price (₹)
2302-25*	25mm	35µm	7µm	2622	1961

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL TEST INDICATORS

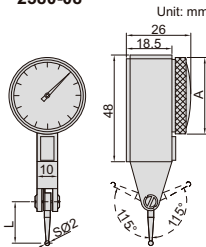
INSPECTION CERTIFICATE
TRACEABLE TO NIST

JEWELLED BEARING

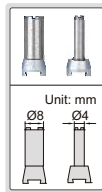
- ▶ Meet DIN2270
- ▶ Jeweled bearing
- ▶ Carbide contact point
- ▶ Two measuring directions
- ▶ Anti magnetic body
- ▶ Supplied with two clamps: diameter Ø4mm and Ø8mm
- ▶ Optional accessory: styli



2380-08



clamps are included

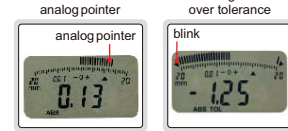


Graduation: 0.01mm						(mm)		List Price (₹)	Promotion Price (₹)
Code	Range	Accuracy	Hysteresis	Dial reading	A	L			
2380-08*	0.8mm	13µm	3µm	0-40-0	Ø30	13.5		2618	2203
2381-08*	0.8mm	13µm	3µm	0-40-0	Ø37	13.5		2862	2563

DIGITAL INDICATORS (ADVANCED TYPE)

INSPECTION CERTIFICATE
TRACEABLE TO NIST

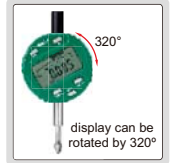
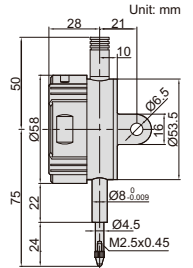
DATA OUTPUT



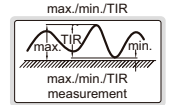
- ▶ Range: 12.7mm/0.5"
- ▶ Reading in digital and analog
- ▶ Display can be rotated by 320°
- ▶ Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- ▶ Keep preset data and tolerance data in memory after restart
- ▶ CR2032 battery, automatic power off
- ▶ Data output, with lug back
- ▶ Optional accessory: data output cable, backs, contact points



2103-10



spindle lift knob is included



Code	Resolution	Accuracy	Hysteresis	List Price (₹)	Promotion Price (₹)
2103-10*	0.001mm/0.00005"	5µm	2µm	12543	10461
2104-10*	0.01mm/0.0005"	20µm	10µm	5844	5162

*Supplied with manufacturer inspection certificate traceable to NIST USA

PRECISION DIAL INDICATOR

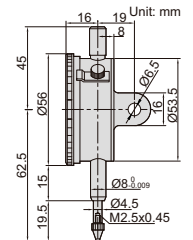
INSPECTION CERTIFICATE
TRACEABLE TO NIST

JEWELLED BEARING

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



2313-1A



Code	Range	Accuracy	Hysteresis	Range/rev	Dial reading	List Price (₹)	Promotion Price (₹)
2313-1A*	1mm	5µm	2µm	0.2mm	0-100-0	4493	4077

*Supplied with manufacturer inspection certificate traceable to NIST USA

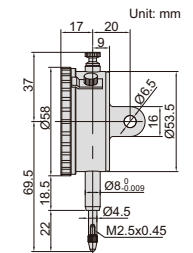
DIAL INDICATOR (PROMOTION TYPE)

INSPECTION CERTIFICATE
TRACEABLE TO NIST

- ▶ Graduation: 0.01mm
- ▶ Range/rev: 1mm
- ▶ Dial reading: 0-100
- ▶ Meet DIN878
- ▶ Jeweled bearing
- ▶ Lug back with spare flat back
- ▶ Supplied with limit hands and bezel clamp
- ▶ Packed in carton box
- ▶ Optional accessory: backs, contact points



2301-10



carton box



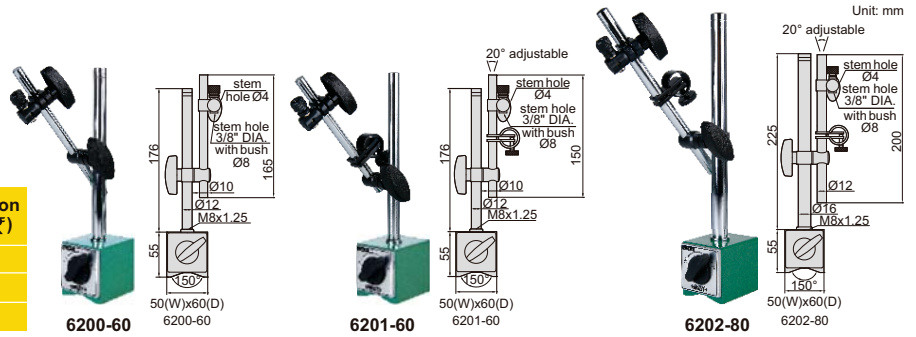
Code	Range	Accuracy	Hysteresis	List Price (₹)	Promotion Price (₹)
2301-10*	10mm	17µm	3µm	1377	1168

*Supplied with manufacturer inspection certificate traceable to NIST USA

MAGNETIC STANDS

- ▶ Applicable holding stem: Ø8mm, Ø4mm, 3/8" DIA.
- ▶ For digital/dial indicators and dial test indicators

Code	Magnetic force	Remark	List Price (₹)	Promotion Price (₹)
6200-60	60kgf	without fine adjustment	1086	940
6201-60	60kgf	with fine adjustment	1006	871
6202-80	80kgf	with fine adjustment	1964	1388

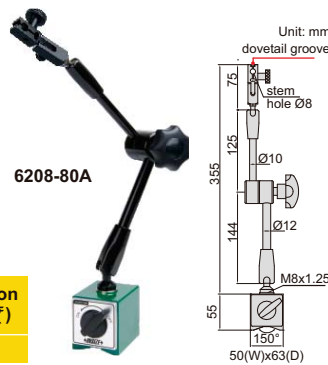


UNIVERSAL MAGNETIC STAND (LIGHT DUTY)

ATTENTION: LOW LOCKING FORCE

- ▶ Applicable holding stem: Ø8mm
- ▶ For digital/dial indicators and dial test indicators
- ▶ With fine adjustment and dovetail groove

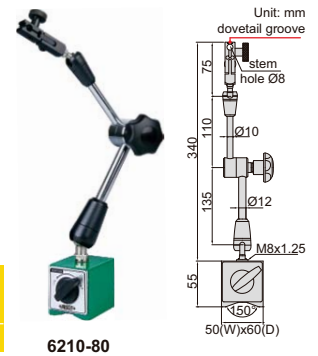
Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6208-80A	80kgf	2554	2109



UNIVERSAL MAGNETIC STAND

- ▶ Applicable holding stem: Ø8mm
- ▶ For digital/dial indicators and dial test indicators
- ▶ With fine adjustment and dovetail groove

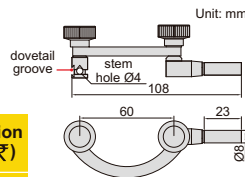
Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6210-80	80kgf	4797	4289



DIAL TEST INDICATOR CENTERING HOLDER



Code	List Price (₹)	Promotion Price (₹)
6291-1	771	612



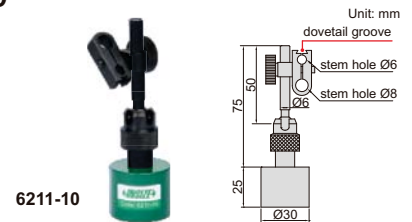
- ▶ Center cylinders or holes on machine tools

MINI MAGNETIC STAND

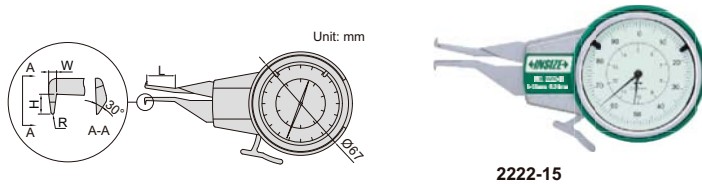
ATTENTION: FOR DIAL TEST INDICATORS ONLY

- ▶ For dial test indicators
- ▶ With dovetail groove
- ▶ Applicable holding stem: Ø6mm, Ø8mm

Code	Magnetic force	List Price (₹)	Promotion Price (₹)
6211-10	10kgf	1912	1487



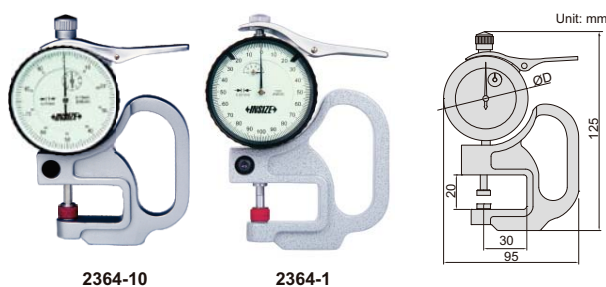
INTERNAL DIAL CALIPER GAGES



- ▶ Graduation: 0.01mm
- ▶ Accuracy: ±0.03mm

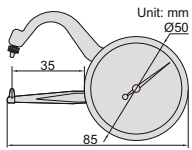
Code	Range	L	H	W	R	List Price (₹)	Promotion Price (₹)
2222-15	5-15mm	20	2	1.5	R0.3	9948	8677
2222-25	5-25mm	35	1.5	1.0	R0.3	10789	9411
2222-301	10-30mm	55	5.5	2.5	R0.5	11910	10390

THICKNESS GAGES



Code	Range	Graduation	Accuracy	ØD	List Price (₹)	Promotion Price (₹)
2364-10	0-10mm	0.01mm	±0.02mm	58mm	3338	3025
2364-1	0-1mm	0.001mm	±0.005mm	56mm	6204	5646

THICKNESS GAGE



2862-101

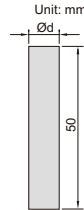
Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
2862-101	0-10mm	0.05mm	±0.1mm	2905	2216

PIN GAGE SETS

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



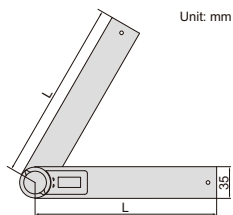
4166-6D



Code	Diameter Ød (mm)	Step	Pin gages per set	List Price (₹)	Promotion Price (₹)
4166-411	1.0, 1.1, 1.2, ..., 5.0	0.1mm	41	9745	7525
4166-511	5.0, 5.1, 5.2, ..., 10.0	0.1mm	51	13235	10220

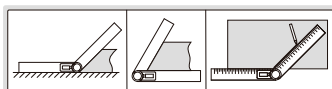
Code	Diameter Ød (mm)	Step	Pin gages per set	List Price (₹)	Promotion Price (₹)
4166-0D	0.20, 0.21, 0.22, ..., 0.50	0.01mm	31	9514	7347
4166-1	0.50, 0.51, 0.52, ..., 1.00	0.01mm	51	14767	11403
4166-1D	1.00, 1.01, 1.02, ..., 1.50	0.01mm	51	14767	11403
4166-2	1.50, 1.51, 1.52, ..., 2.00	0.01mm	51	14767	11403
4166-2D	2.00, 2.01, 2.02, ..., 2.50	0.01mm	51	14767	11403
4166-3	2.50, 2.51, 2.52, ..., 3.00	0.01mm	51	14767	11403
4166-3D	3.00, 3.01, 3.02, ..., 3.50	0.01mm	51	14767	11403
4166-4	3.50, 3.51, 3.52, ..., 4.00	0.01mm	51	14767	11403
4166-4D	4.00, 4.01, 4.02, ..., 4.50	0.01mm	51	14767	11403
4166-5	4.50, 4.51, 4.52, ..., 5.00	0.01mm	51	14767	11403
4166-5D	5.00, 5.01, 5.02, ..., 5.50	0.01mm	51	14767	11403
4166-6	5.50, 5.51, 5.52, ..., 6.00	0.01mm	51	14767	11403
4166-6D	6.00, 6.01, 6.02, ..., 6.50	0.01mm	51	14767	11403
4166-7	6.50, 6.51, 6.52, ..., 7.00	0.01mm	51	14767	11403
4166-7D	7.00, 7.01, 7.02, ..., 7.50	0.01mm	51	14767	11403
4166-8	7.50, 7.51, 7.52, ..., 8.00	0.01mm	51	14767	11403
4166-8D	8.00, 8.01, 8.02, ..., 8.50	0.01mm	51	14767	11403
4166-9	8.50, 8.51, 8.52, ..., 9.00	0.01mm	51	14784	11417
4166-9D	9.00, 9.01, 9.02, ..., 9.50	0.01mm	51	15630	12071
4166-10	9.50, 9.51, 9.52, ..., 10.00	0.01mm	51	15682	12109

DIGITAL PROTRACTORS



2176-200

- ▶ Accuracy: ±0.3°
- ▶ 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

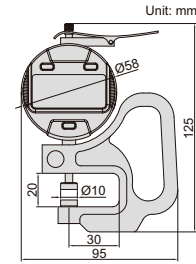


Code	Size (L)	Range	Resolution	List Price (₹)	Promotion Price (₹)
2176-200	200mm	0-360°	0.1°	2027	1559
2176-300	300mm	0-360°	0.1°	2329	1790

DIGITAL THICKNESS GAGES

DATA OUTPUT

- ▶ Ceramic spindle tip and anvil
- ▶ Buttons: on/off, zero, mm/inch
- ▶ Battery CR2032
- ▶ Automatic power off
- ▶ Data output
- ▶ Optional accessory: data output cable



2871-101

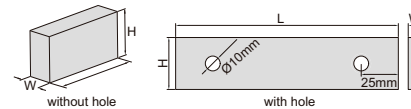
Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2871-10	0-10mm/0-0.4"	0.01mm/0.0005"	±0.02mm	5761	5372
2871-101	0-10mm/0-0.4"	0.001mm/0.00005"	±0.005mm	12491	10505

STEEL GAGE BLOCK SETS

- ▶ Made of alloy steel
- ▶ Meet ISO3650
- ▶ With holes (L≥125mm)
- ▶ Supplied with manufacturer inspection certificate

Dimension:

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



4100-283

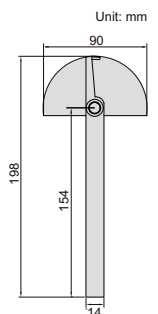
Blocks per set	Gage blocks included in set			Code	List Price (₹)	Promotion Price (₹)
	Size (mm)	Step (mm)	Quantity			
112	1.0005		1	4100-2112	27407	20376
	1.001-1.009	0.001	9			
	1.01-1.49	0.01	49			
	0.5-24.5	0.5	49			
	25-100	25	4			
83	0.5		1	4100-283	17278	11418
	1		1			
	1.005		1			
	1.01-1.49	0.01	49			
	1.5-1.9	0.1	5			
	2-9.5	0.5	16			
10-100	10	10				
34	1.0005		1	4100-234	8279	5718
	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			

PROTRACTOR (ECONOMIC TYPE)

- Made of stainless steel
- With clamping screw



4780-85A



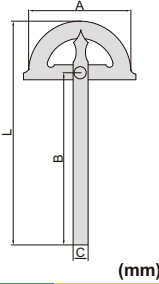
Code	Size	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4780-85A	90x154mm	0-180°	1°	±0.5°	491	427

PROTRACTOR



4799-180

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



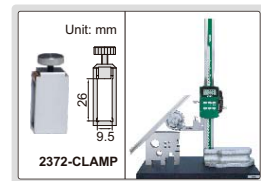
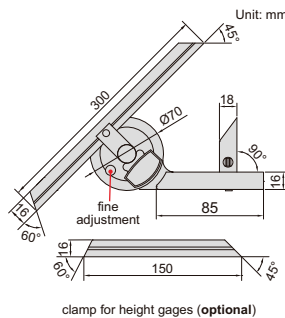
Code	Size (AxB)	Range	Accuracy	L	C	List Price (₹)	Promotion Price (₹)
4799-180	80x120	0-180°	±0.3°	168	11	1257	1025

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



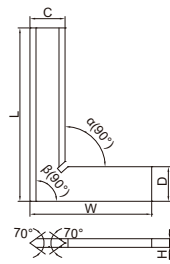
Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
2372-360	0-360°	5'	±5'	4667	3924

90° BEVELED EDGE SQUARES

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

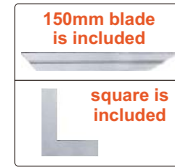


4790-0100



Code	Size (LxW)	Squareness		C	D	H	List Price (₹)	Promotion Price (₹)
		Inside (α)	Outside (β)					
4790-0100	100x70mm	2.8μm	3.0μm	20	20	5	2339	2059
4790-0150	150x100mm	3.2μm	3.5μm	30	30	6	4004	3598

DIGITAL PROTRACTOR

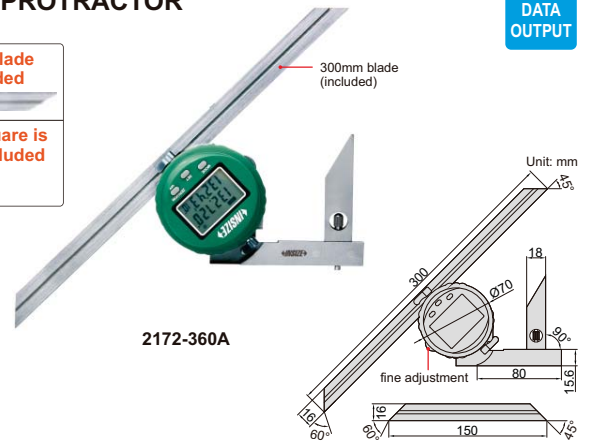


150mm blade is included

square is included

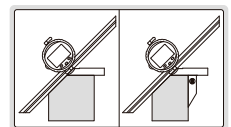


VIDEO

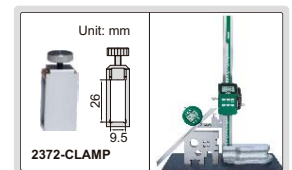


2172-360A

- ▶ 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, clamp (code 2372-CLAMP), suitable for height gages 1156, 1351 and 1250



clamp for height gages (optional)



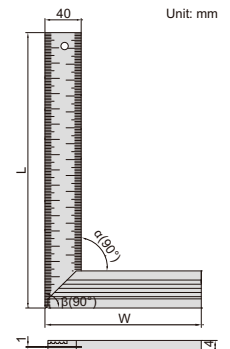
Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2172-360A	0-360°	10"/0.005°	±5'	20514	16916

TRY SQUARE

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



2275-300



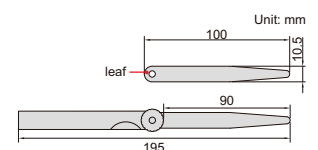
Code	Size (LxW)	Squareness		List Price (₹)	Promotion Price (₹)
		Inside (α)	Outside (β)		
2275-300	300x170mm	0.5mm	0.5mm	487	415

FEELER GAGES

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



4602-32



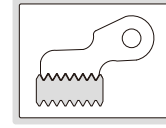
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	List Price (₹)	Promotion Price (₹)
4602-17	0.02-1.00mm	0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.75, 1.00	17	313	257
4602-32	0.03-1.00mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.13, 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	480	349

PITCH GAGES (ECONOMIC TYPE)

- ▶ Check the pitch of screw thread
- ▶ Accuracy: $\pm 0.07\text{mm}$
- ▶ Made of medium carbon steel



4820-452



ATTENTION:
LOW ACCURACY

Metric 60° and Whitworth 55° screw

Code	Range	Pitch of leaves included	Quantity of leaves	List Price (₹)	Promotion 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	627	499
	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	List Price (₹)	Promotion 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	627	469
	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 (ECONOMIC TYPE)

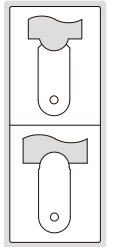
- ▶ Made of medium carbon steel



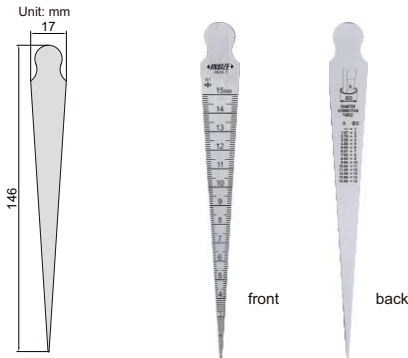
4801-17

ATTENTION:
LOW ACCURACY

Code	Range	Radius of leaves included (mm)	Quantity of leaves (internal+external)	Accuracy	List Price (₹)	Promotion 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	$\pm 0.03\text{mm}$	684	558
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	$\pm 0.035\text{mm}$	680	553
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	$\pm 0.042\text{mm}$	691	571



TAPER GAGE

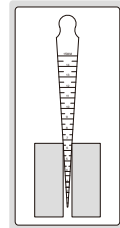


4833-1

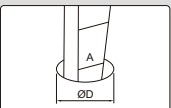
- ▶ Measure opening, slot width, hole diameter, etc.
- ▶ Diameter correction table on the back
- ▶ Made of stainless steel

Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4833-1	0.8-15mm	0.1mm	$\pm 0.1\text{mm}$	631	357

measure slot width



measure diameter of hole



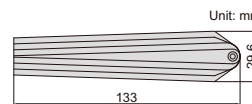
When measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. For example, when reading A is 14.96mm, diameter $\varnothing D$ is 15mm.

TAPER GAGE SET



front 4837-1

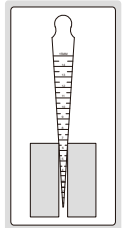
back



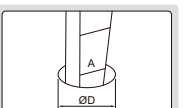
- ▶ Include 4pcs (1-8mm, 8-15mm, 15-22mm, 22-29mm)
- ▶ Measure opening, slot width, hole diameter, etc.
- ▶ Diameter correction table on the back
- ▶ Made of stainless steel

Code	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4837-1	1-29mm	0.05mm	$\pm 0.05\text{mm}$	2332	1366

measure slot width



measure diameter of hole

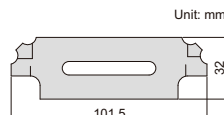


When measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. For example, when reading A is 14.96mm, diameter $\varnothing D$ is 15mm.

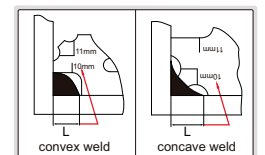
FILLET WELDING GAGE

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

Code	Size (mm)	Accuracy	List Price (₹)	Promotion Price (₹)
4836-1	3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 16, 19, 22, 25	$\pm 0.5\text{mm}$	1472	1041

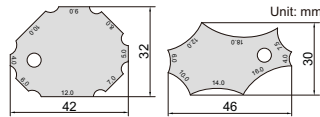


4836-1

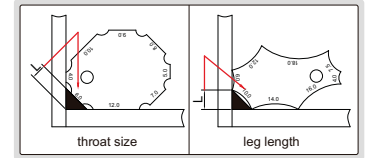


FILLET WELDING GAGE

- ▶ Accuracy: $\pm 0.5\text{mm}$
- ▶ Made of stainless steel
- ▶ Sizes marked on both faces

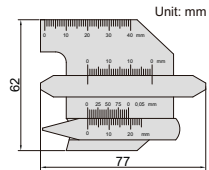


4832-1



Code	Throat size	Leg length	List Price (₹)	Promotion Price (₹)
4832-1	4, 5, 6, 7, 8, 9, 10, 12mm	4, 6, 7.5, 10, 12, 14, 16, 18mm	623	408

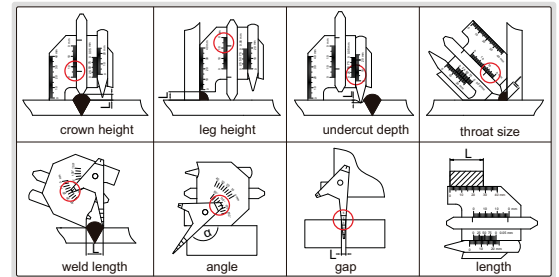
WELDING GAGE



4838-1

- ▶ Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4838-1	crown height	0-10mm	1mm	$\pm 0.5\text{mm}$	2028	1608
	leg height	0-14mm	1mm	$\pm 0.5\text{mm}$		
	undercut depth	0-5mm	0.05mm	$\pm 0.05\text{mm}$		
	throat size	0-13mm	1mm	$\pm 0.5\text{mm}$		
	weld length	0-40mm	1mm	$\pm 1\text{mm}$		
	angle	90°-150°	5°	$\pm 1^\circ$		
	gap	0.5-5mm	1mm	$\pm 0.5\text{mm}$		
	length	0-40mm	1mm	$\pm 0.5\text{mm}$		

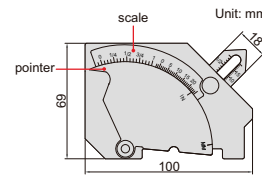


WELDING GAGE

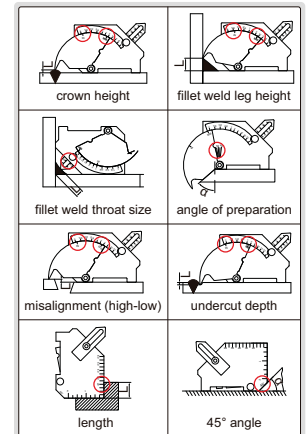
- ▶ Adjustable scale to compensate pointer wear
- ▶ Made of stainless steel



4835-1



Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4835-1	crown height	0-25mm (0-1")	1mm (1/16")	$\pm 0.5\text{mm}$	2042	1476
	fillet weld leg height	0-25mm (0-1")	1mm (1/16")	$\pm 0.5\text{mm}$		
	misalignment (high-low)	0-25mm (0-1")	1mm (1/16")	$\pm 0.5\text{mm}$		
	undercut depth	0-2mm (0-1/8")	1mm (1/16")	$\pm 0.5\text{mm}$		
	fillet weld throat size	0-20mm (0-3/4")	1mm (1/16")	$\pm 0.5\text{mm}$		
	angle of preparation	0-60°	5°	$\pm 1^\circ$		
	length	0-60mm (0-2")	1mm (1/16")	$\pm 0.5\text{mm}$		
	45° angle	—	—	$\pm 1^\circ$		

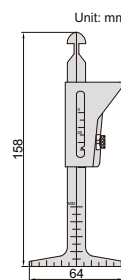


PIPE WELDING GAGE

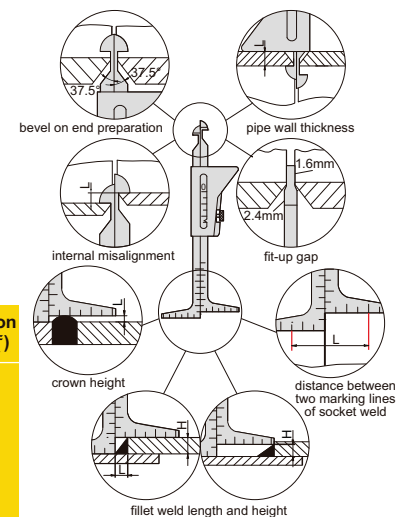
- ▶ Made of stainless steel



4839-1

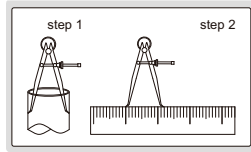


Code	Measurement	Range	Graduation	Accuracy	List Price (₹)	Promotion Price (₹)
4839-1	bevel on end preparation	37.5°	—	$\pm 1^\circ$	2939	2077
	pipe wall thickness	0-45mm (0~1-3/4")	1mm (1/16")	$\pm 0.5\text{mm}$		
	internal misalignment	0-35mm (0~1-3/8")	1mm (1/32")	$\pm 0.5\text{mm}$		
	fit-up gap	1.6mm, 2.4mm	—	$\pm 0.1\text{mm}$		
	crown height	0-35mm (0~1-3/8")	1mm (1/32")	$\pm 0.5\text{mm}$		
	distance between two marking lines of socket weld	0-60mm (0~2-3/8")	1mm (1/16")	$\pm 0.5\text{mm}$		
	fillet weld length	0-30mm (0~1-1/4")	1mm (1/16")	$\pm 0.5\text{mm}$		
	fillet weld height	0-35mm (0~1-3/8")	1mm (1/32")	$\pm 0.5\text{mm}$		



INSIDE SPRING CALIPERS

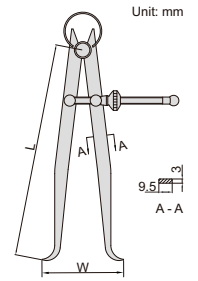
- Made of carbon steel



Code	Size (L)	Range (W)	List Price (₹)	Promotion Price (₹)
7261-150	150mm	20-170mm	588	557
7261-200	200mm	22-220mm	671	650
7261-300	300mm	30-320mm	1014	983



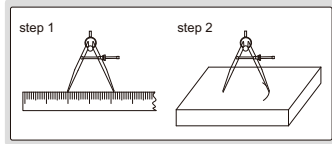
7261-150



Unit: mm

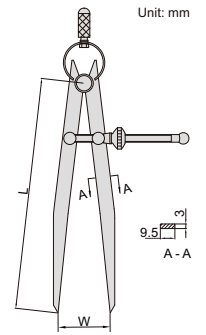
SPRING DIVIDERS

- Made of carbon steel
- Hardened points



Code	Size (L)	Range (W)	List Price (₹)	Promotion Price (₹)
7260-150	150mm	0-150mm	588	557
7260-200	200mm	0-210mm	671	650
7260-300	300mm	0-320mm	1014	983

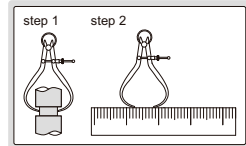
7260-150



Unit: mm

OUTSIDE SPRING CALIPERS

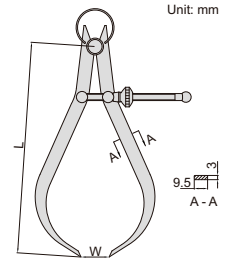
- Made of carbon steel



Code	Size (L)	Range (W)	List Price (₹)	Promotion Price (₹)
7262-150	150mm	0-140mm	588	557
7262-200	210mm	0-210mm	671	650
7262-300	310mm	0-320mm	1093	1059



7262-150

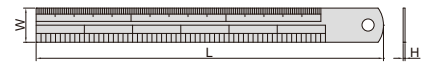


Unit: mm

STEEL RULES



7110-300

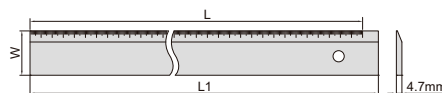


- Graduation: 0.5mm, 1mm, 1/64", 1/32", 1/16"
- Rigid rules
- Made of stainless steel
- Non-glare surface
- Graduation on front and back

Code	Range	Accuracy	L	W	H	List Price (₹)	Promotion Price (₹)
7110-150	150mm/6"	±0.15mm	170	18	1.0	77	68
7110-300	300mm/12"	±0.15mm	330	25	1.0	135	121
7110-500	500mm/20"	±0.15mm	530	30	1.2	282	246
7110-600	600mm/24"	±0.20mm	630	30	1.2	318	277
7110-1000	1000mm/40"	±0.20mm	1040	32	1.5	632	553

ALUMINUM RULE

- Graduation: 1mm
- Made of aluminum, oxidized surface



Code	Range (L)	Accuracy	L1	W	List Price (₹)	Promotion Price (₹)
7123-600	600mm	±0.9mm	624mm	50mm	470	431



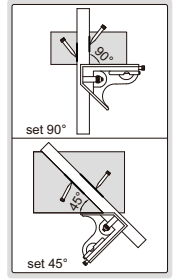
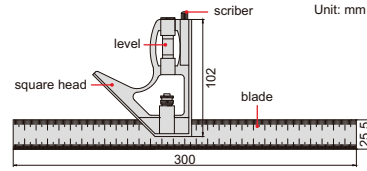
7123-600

COMBINATION SQUARE (ECONOMIC TYPE)

- ▶ 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/12",
Graduation: 1mm and 1/32" on front face, 1mm and 1/16" on back face

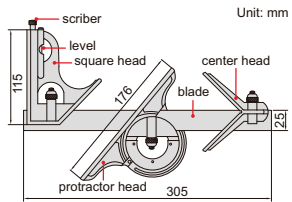


2276-300



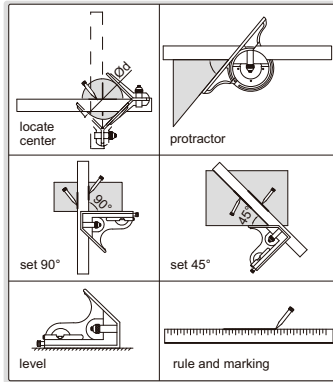
Code	List Price (₹)	Promotion Price (₹)
2276-300	482	414

COMBINATION SQUARE SET



2278-180

- ▶ 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: ±20min.
- ▶ 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 and 1/64" on back face
- ▶ Optional accessory: rigid rule (code 7113)



Code	Remark	List Price (₹)	Promotion Price (₹)
2278-180	4-piece set	5978	4922

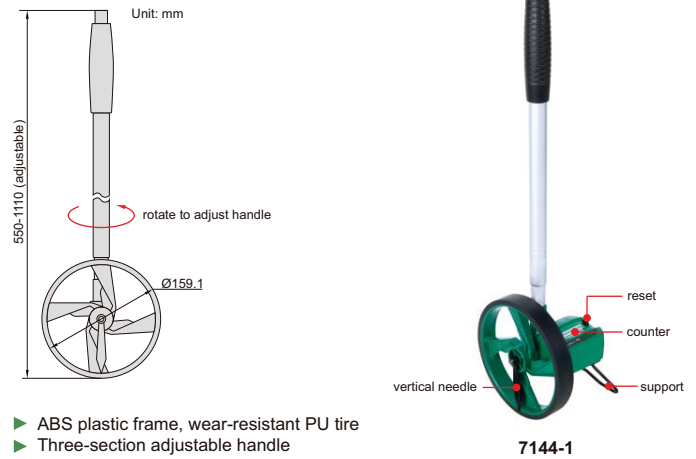
MEASURING WHEEL



- ▶ ABS plastic frame, wear-resistant PU tire
- ▶ Two-section foldable handle

Code	Range	Resolution	List Price (₹)	Promotion Price (₹)
7145-1	0.1-9999.9m	0.1m	6490	5958

MEASURING WHEEL

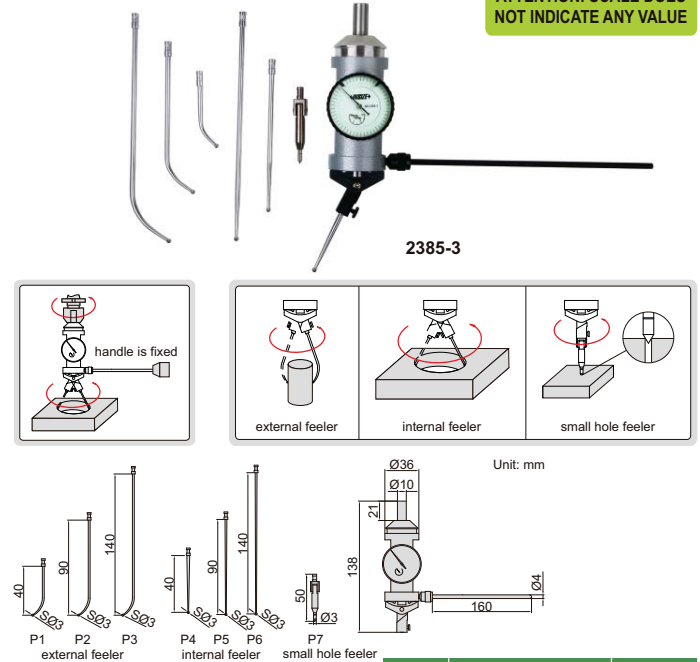


- ▶ ABS plastic frame, wear-resistant PU tire
- ▶ Three-section adjustable handle

Code	Range	Resolution	List Price (₹)	Promotion Price (₹)
7144-1	0.1-9999.9m	0.1m	2869	2634

CENTERING INDICATOR

ATTENTION: SCALE DOES NOT INDICATE ANY VALUE



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

Code	List Price (₹)	Promotion Price (₹)
2385-3	8785	6564

Feeler	Measuring diameter	Accuracy
P1	Ø0-60mm	0.015mm
P2	Ø0-160mm	0.02mm
P3	Ø0-250mm	0.03mm
P4	Ø3.2-80mm	0.015mm
P5	Ø3.2-180mm	0.02mm
P6	Ø3.2-280mm	0.03mm
P7	Ø0-2.8mm	0.015mm

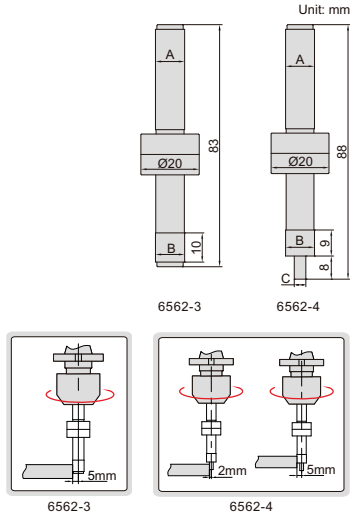
EDGE FINDERS



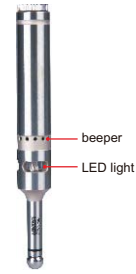
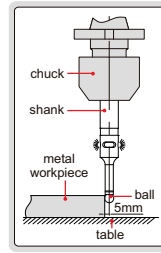
6562-3

6562-4

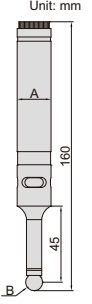
- ▶ Hardened shank and contact point
- ▶ Suitable for machine speed 400-600rpm



ELECTRONIC EDGE FINDER



6566-3



- ▶ The shank is electrically conducted to the metal workpiece through the chuck and table, the LED lights up and the beeper sounds, when the ball touches the workpiece
- ▶ Not suitable for rotary use
- ▶ Hardened shank and contact ball
- ▶ Battery: 23AE, 12Vx1pc

Code	Shank (A)	Contact point (B)	Contact point (C)	Accuracy	List Price (₹)	Promotion Price (₹)
6562-3	Ø10mm	Ø10mm	—	5µm	1701	1560
6562-4	Ø10mm	Ø10mm	Ø4mm	5µm	1745	1599

Code	Shank (A)	Contact ball (B)	Accuracy	Beeper	List Price (₹)	Promotion Price (₹)
6566-3	Ø20mm	SØ10mm	5µm	with	5880	5471

DATA TRANSFER SYSTEM

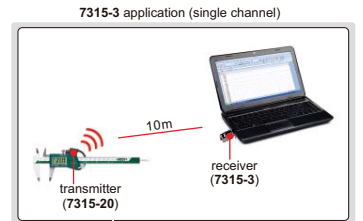
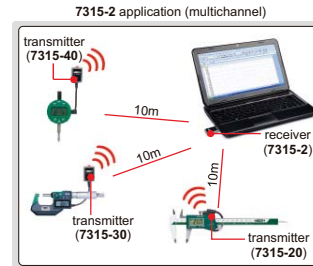


receiver
7315-2

receiver
7315-3

transmitter
7315-40

- ▶ Transfer distance is 10 meter
- ▶ Press the button to transmit data



Code	Description	Plug to product	Remark	List Price (₹)	Promotion Price (₹)
7315-2	multichannel receiver		<ul style="list-style-type: none"> Connected with maximum 8 transmitters, each of which has a unique identification code. Text format virtual com port, converted to keyboard format with supplied software (data can be transmitted to EXCEL, WORD etc and any software that receives keyboard signal) 	17938	15552
7315-3	single channel receiver		<ul style="list-style-type: none"> Connected with 1 transmitter only, transmitter can be changed as needed. No need to install drivers and softwares. Keyboard format (data can be transmitted to EXCEL, WORD etc. and any softwares which receives keyboard signal) 	8850	7523
7315-20	transmitter		<ul style="list-style-type: none"> for digital calipers for digital depth gages for 1156 series digital height gages 	4460	3867
7315-30	transmitter		<ul style="list-style-type: none"> for digital micrometers for digital three points internal micrometers 	4460	3867
7315-40	transmitter		for digital indicators	4460	3867

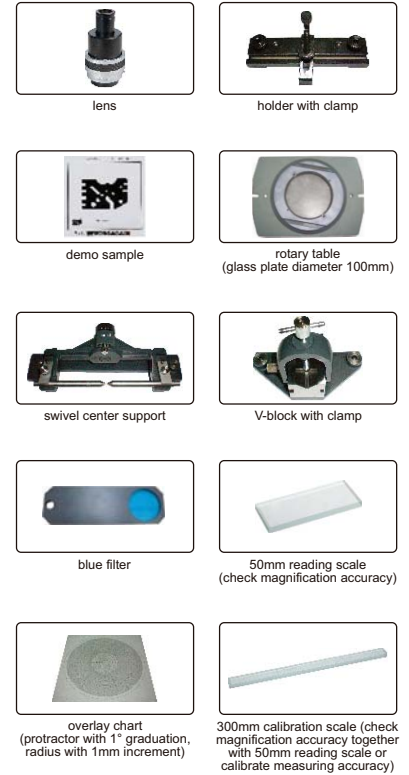
PROFILE PROJECTOR CODE ISP-Z3015



Screen diameter: 300mm

X-Y travel: 150x50mm

OPTIONAL ACCESSORY



SPECIFICATION

List Price (₹)		539156			
Promotion Price (₹)		363174			
Lens	magnification	10X (included)	20X (optional)	50X (optional)	100X (optional)
	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm
	working distance	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	metal stage size	340×152mm			
	glass stage size	196×96mm			
	X-Y stage travel	range: 150×50mm			
		resolution: 0.5µm			
	Z (focus) travel range	90mm			
max. load capacity	4kg				
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable			
		surface illumination: 24V/150W halogen lamp			
	display	X-Y stage travel, screen rotation			
	output	RS232C			
Data processing unit	function	<input type="checkbox"/> measure coordinate of point <input type="checkbox"/> measure coordinate of line <input type="checkbox"/> measure center coordinate, radius of circle with three points <input type="checkbox"/> measure distance between two objects <input type="checkbox"/> measure angle with four points or two lines <input type="checkbox"/> set origin of coordinate <input type="checkbox"/> coordinate transform <input type="checkbox"/> set midpoint of coordinate			
		Power supply			
		110/220V, 50/60Hz			
		Dimension (L×W×H)			
		550×770×1100mm			
		Weight			
		135kg			

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

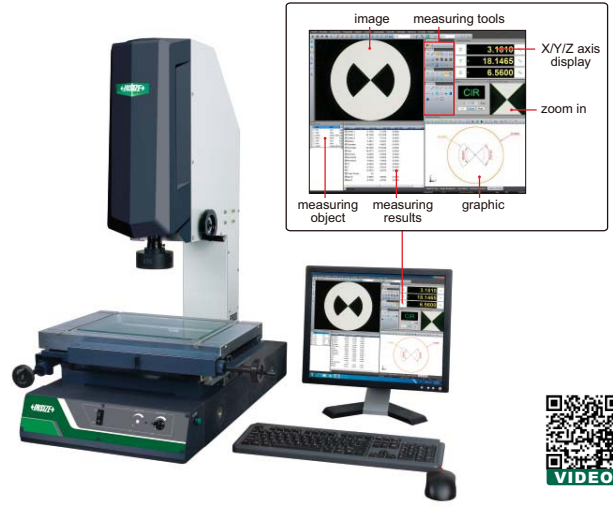
20X lens with half-reflection mirror and oblique illuminator mirror	ISP-Z3015-LENS20X
50X lens with half-reflection mirror	ISP-Z3015-LENS50X
100X lens with half-reflection mirror	ISP-Z3015-LENS100X
Rotary table	ISP-Z3015-TABLE
Overlay chart	ISP-Z3015-CHART
Holder with clamp	ISP-Z3015-HOLDER
Swivel center 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



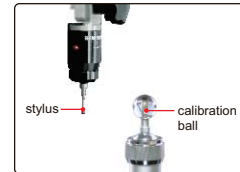
SPECIFICATION

Code	ISD-V150A	ISD-V250A	ISD-V300A
List Price (₹)	489168	541029	587996
Promotion Price (₹)	393862	441012	480431
Measuring range (X×Y×Z)	150×100×200mm	250×150×200mm	300×200×200mm
Stage size	354×228mm	450×280mm	500×330mm
Glass stage 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, 0.3M 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-V250A

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

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 coaxial light lens	Code: ISD-V150ACL, ISD-V250ACL, ISD-V300ACL,

SOFTWARE

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

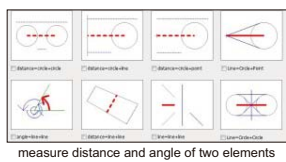
- measure coordinate of point
- measure center coordinate and axis length of ellipse
- measure length of open curve
- measure distance of two elements

- measure center coordinate, diameter and area of circle
- measure length, width and area of rectangle
- measure length and area of closed curve

- measure distance between two points
- measure length, width and diameter of key slot
- measure angle of two lines

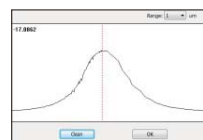
- measure length and diameter of arc
- measure width and diameter of ring
- measure focus distance of surface

Combined measuring tools:

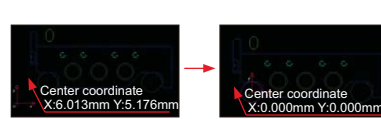


measure distance and angle of two elements

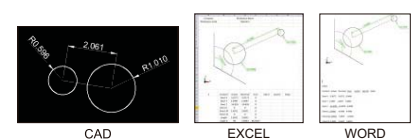
Focus indicator:



Coordinate transfer:



Data export to CAD, EXCEL and WORD



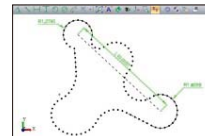
Profile detection:



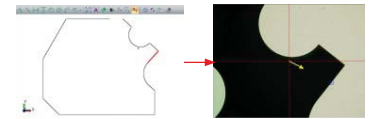
Edge-detection:



Contour scanning:

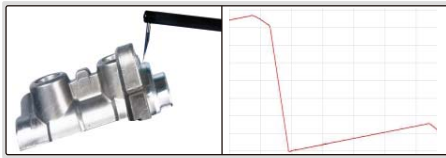


CAD measuring:



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

SURFACE PROFILE MEASURING MACHINE CODE SPM-1000



standard blocks (included)

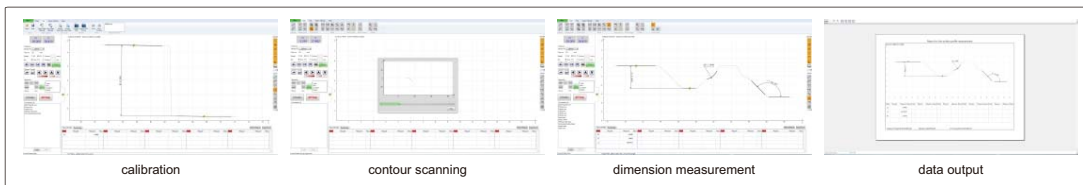
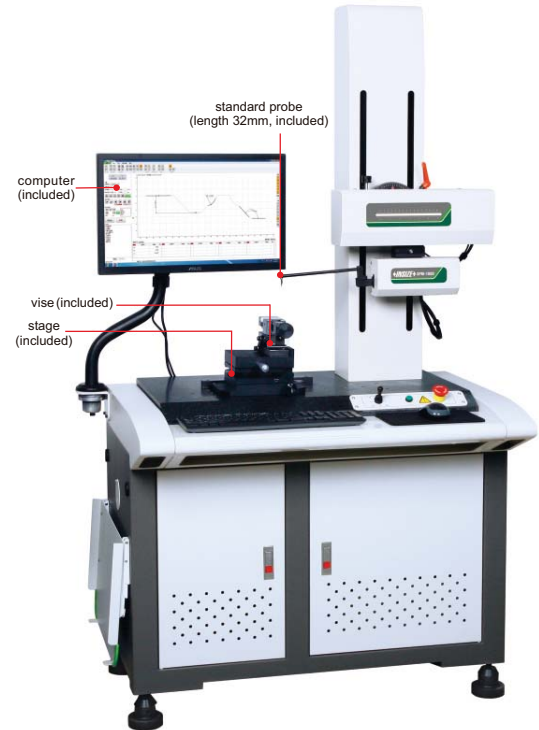


standard balls (included)



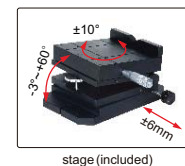
standard shaft (included)

- ▶ Software is included, for surface profile measurement and data output
- ▶ Probe compensation
- ▶ Output as format xy, txt, csv, etc.
- ▶ Large range design, the leverage ratio is 1:2.2, maintain the original accuracy of the sensor
- ▶ The overall structure of the Z-axis sensor does not have any elastic components, ensuring the measuring force is constant regardless of the position of probe



SPECIFICATION

List Price (₹)	1812205
Promotion Price (₹)	1721595
X axis measuring range	140mm
X axis resolution	0.2μm
X axis straightness	0.8μm/100mm
X axis traverse speed	0.1~10mm/s
Z axis measuring range	±20mm
Z axis resolution	0.05μm
Z axis traverse speed	0.5~10mm/s
Linear accuracy	±(1.5+ 0.2H)μm, H is measuring height in mm
Angular measuring accuracy	±2'
Arc measuring accuracy	±(2+R/8)μm, R is 2~10mm standard ball
Radius of probe tip	25μm
Traverse direction	backward
Measuring force	0.69~0.98mN
Measuring unit	mm/inch
Traceable angle	72° (upward), 87° (downward)
Drive mode	motor
Travel of Z axis	400mm
Dimension(L*W*H)	1200×700×1780mm
Power supply	220±5%V, 50Hz
Weight	320kg



stage (included)



vise (included)

STANDARD DELIVERY

Main unit	1 pc
Standard probe and arm	1 pc of each
Standard block	2 pcs
Standard ball	2 pcs
Standard shaft	1 pc
Stage	1 pc
Vise	1 pc
Computer	1 pc
Measuring arm	1 pc
Measurement software	1 pc
Printer	1 pc
Installation tools	1 set

DIGITAL MEASURING MICROSCOPE (WITH DISPLAY)

- ▶ 1080P high-definition image
- ▶ Built-in software without computer, operation by mouse
- ▶ Take pictures, saved to USB flash disk
- ▶ Measurement results can be output to Excel
- ▶ Automatic white balance and exposure
- ▶ Brightness, contrast ratio, gain are adjustable

TAKE PICTURES

MEASUREMENT

BUILT-IN SOFTWARE WITHOUT COMPUTER

SPECIFICATION

Code	ISM-DL301* (with contour illumination)
List Price (₹)	144468
Promotion Price (₹)	135834
Magnification	15X~100X
Sensor	1/2" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	power adapter and 220V, 50/60Hz *
Dimension (L×W×H)	570×300×430mm
Weight	6.5kg

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

STANDARD DELIVERY

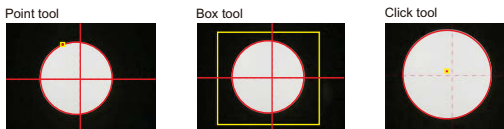
Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash disk	1 pc
White/black plate	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	2 pcs

OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
X-Y glass stage (travel: 74×60mm)	ISM-DL-STAGE
X-Y metal stage	ISM-DL-STAGE1
LED auxiliary illumination	ISM-DL-LED
Coaxial light illumination	ISM-DL-COAXIAL
Auxiliary objective lens	

SOFTWARE

- ▶ Language: English
- ▶ Output to Excel
- ▶ Edge-detection:



Measurement tools:

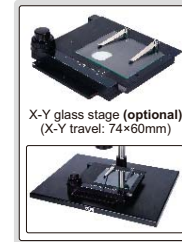
- | | | | |
|--|--|---|---|
| measure length of line or distance between two points | measure distance between multiple parallel lines | measure length of line or distance between two points in vertical direction | measure distance between two parallel lines |
| measure angle from horizontal line | measure angle from vertical line | measure length of line or distance between two points in horizontal direction | measure distance between point and line |
| measure radius, diameter, girth and area of circle with three points | measure radius, diameter, girth and area concentric of circles | measure girth and area of polygon | measure distance between three parallel lines |
| measure minimum distance between point and circle | measure distance between point and center of circle | measure length, width, girth and area of rectangle | measure radius, length and angle of arc |
| measure minimum distance between line and circle | measure distance between line and center of circle | measure maximum distance between point and circle | measure angle of two lines |
| measure minimum distance between two circles | measure center distance between two circles | measure maximum distance between line and circle | cross hair |
| add text | measure radius, diameter, girth and area of circle with two points | measure maximum distance between two circles | |



ISM-DL301 (with contour illumination)

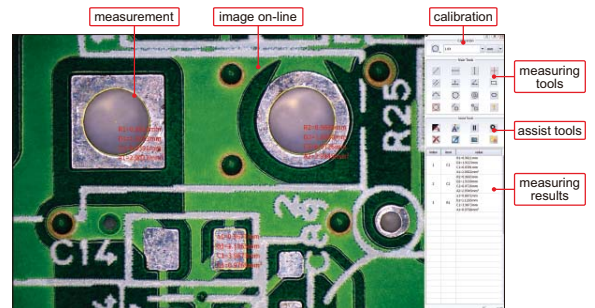
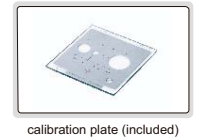
MEASURING ACCURACY

Magnification	Measuring accuracy
15X	±8µm
30X	±6µm
50X	±6µm
80X	±4µm
100X	±4µm
>100X	±4µm



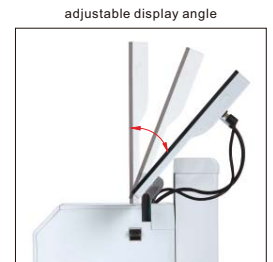
MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Auxiliary Objective	Specification	Camera adapter	
		0.5X (included)	1X (optional)
1X (included)	Magnification	15~100X	30~200X
	Focus distance	70±2mm	70±2mm
	View filed	16×11~2.5×1.6mm	7.8×5.3~1.2×0.8mm
2X (optional)	Magnification	30~200X	60~400X
	Focus distance	29±2mm	29±2mm
	View field	7.8×5.3~1.2×0.8mm	3.8×2.7~0.6×0.4mm



DIGITAL MEASURING MICROSCOPE CODE 5307-ID100

BUILT-IN SOFTWARE
WITHOUT COMPUTER



- Built-in software without computer, operated by mouse
- Take pictures, saved to USB flash disk
- Measuring results can be output to Excel

SPECIFICATION

List Price (₹)	105202
Promotion Price (₹)	99942
Magnification	11X~73X
Focus distance	105±2mm
View field	24×13~3.4×2mm
Sensor	1/2" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	USB/HDMI
Power supply	power adapter
Dimension (L×W×H)	610×610×660mm
Weight	4.5kg

STANDARD DELIVERY

Main unit	1 pc
Calibration plate	1 pc
Power adapter	1 pc
Mouse	1 pc
16G USB flash disk	1 pc

MEASURING ACCURACY

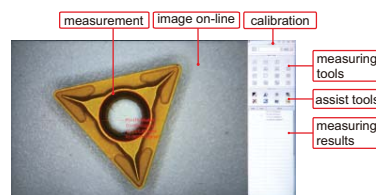
Magnification	Measuring accuracy
11X	±9µm
16X	±9µm
24X	±8µm
32X	±7µm
40X	±7µm
49X	±7µm
57X	±6µm
73X	±5µm

OPTIONAL ACCESSORY

0.5X auxiliary objective	5307-ID100-OB05X
0.7X auxiliary objective	5307-ID100-OB07X
2X auxiliary objective	5307-ID100-OB2X

SOFTWARE

- ▶ Language: English
- ▶ Output to Excel
- ▶ Edge-detection:
- ▶ Measurement tools:



- ▣ measure length of line or distance between two points
- ▣ measure distance between two parallel lines
- ▣ measure distance between point and line
- ▣ measure radius, diameter, girth and area of circle with three points
- ▣ measure minimum distance between point and circle
- ▣ cross hair

- ▣ measure length of line or distance between two points in horizontal direction
- ▣ measure radius, length and angle of arc
- ▣ measure radius, diameter, girth and area concentric of circles
- ▣ measure distance between line and center of circle
- ▣ add text

- ▣ measure length of line or distance between two points in vertical direction
- ▣ measure angle of two lines
- ▣ measure girth and area of polygon
- ▣ measure length, width, girth and area of rectangle
- ▣ measure center distance between two circles

DIGITAL AUTO FOCUS MICROSCOPE (WITH DISPLAY)

- ▶ 1080P high-definition image
- ▶ Auto focus camera
- ▶ Take pictures and videos, saved to memory card
- ▶ Automatic exposure and white balance
- ▶ Brightness, contrast ratio, gain are adjustable
- ▶ Display cross hair (blue/green/red/yellow/black/brown colors)

AUTO FOCUS

TAKE PICTURES AND VIDEOS

SPECIFICATION

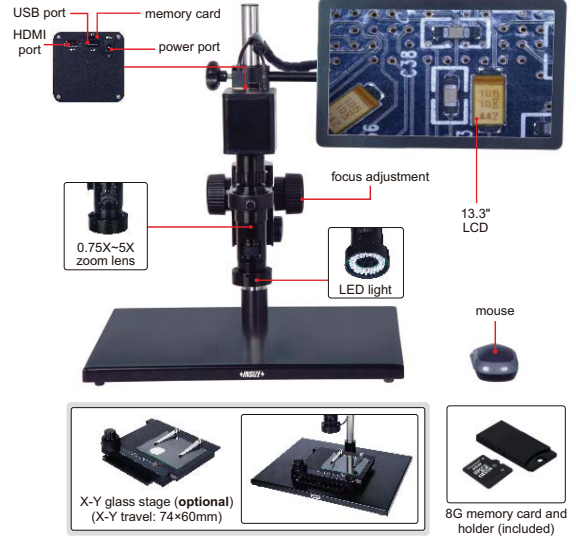
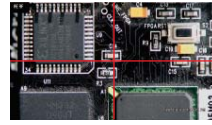
Code	5303-AF103
List Price (₹)	138876
Promotion Price (₹)	130726
Magnification	20X~123X
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	570×300×430mm
Weight	6.5kg

STANDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
8G memory card and holder	1 pc
White/black plate	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	2 pcs

OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
X-Y glass stage (travel: 74×60mm)	ISM-DL-STAGE
X-Y metal stage	ISM-DL-STAGE1
LED auxiliary lighting	ISM-DL-LED
Lens with coaxial light	ISM-DL-COAXIAL
Auxiliary objective lens	



MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

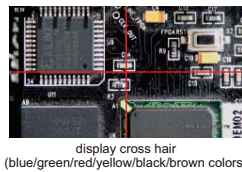
Auxiliary Objective	Specification	Camera adapter	
		0.5X (included)	1X (optional)
1X (included)	Magnification	20~123X	40~246X
	Focus distance	48~84mm	48~84mm
	View field	13×7~2.2×1mm	6.3×3.5~1.1×0.5mm
2X (optional)	Magnification	40~246X	80~492X
	Focus distance	24~42mm	24~42mm
	View field	6.5×3.5~1.1×0.5mm	3.3×1.8~0.6×0.3mm

AUTO FOCUS DISTANCE

Zoom objective scale	0.75X	1X	1.5X	2X	2.5X
Auto focus distance	48~84mm	50~78mm	55~73mm	62~71mm	65~70mm
Zoom objective scale	3X	3.5X	4X	4.5X	5X
Auto focus distance	66~70mm	67~70mm	68~70mm	68~70mm	68~70mm

DIGITAL AUTO FOCUS MICROSCOPE CODE 5302-AF105

- ▶ 1080P high-definition image
- ▶ Auto focus camera
- ▶ Take pictures and videos, saved to memory card
- ▶ Connected to TV by HDMI port
- ▶ Automatic exposure and white balance
- ▶ Brightness, contrast ratio, gain are adjustable
- ▶ Display cross hair (blue/green/red/yellow/black/brown colors)



AUTO FOCUS

TAKE PICTURES AND VIDEOS

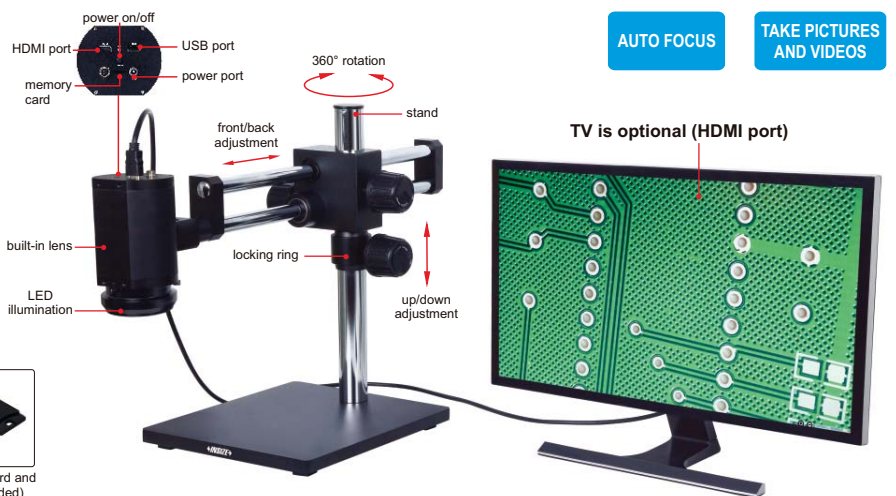
SPECIFICATION

List Price (₹)	134542
Promotion Price (₹)	123509
Magnification	1.8X~27.5X (on 28" TV)
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Auto Focus distance	100mm~∞
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	500×280×410mm
Weight	17kg



STANDARD DELIVERY

Main unit (with stand)	1 pc
LED illumination	1 pc
8G memory card and holder	1 pc
Mouse	1 pc
HDMI cable (for TV)	1 pc
Power adapter	2 pcs



FOCUS DISTANCE, MAGNIFICATION AND VIEW FIELD (MANUAL FOCUS)

Focus distance	Magnification (on 28" TV)	View field
100mm	4.5~27.5X	24×14~161×90mm
150mm	3~21X	30×17~240×128mm
200mm	2.3~17.5X	38×20~305×176mm
250mm	2~15X	42×24~320×210mm
270mm	1.8~14.4X	43×25~378×240mm

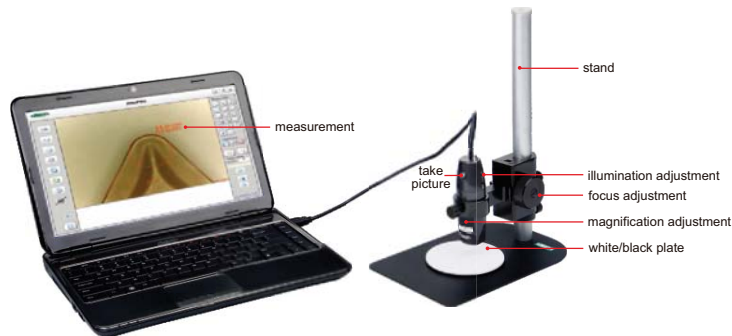
DIGITAL MEASURING MICROSCOPE



software CD (included)



VIDEO



- ▶ Can take pictures and videos
- ▶ Supplied with software

ISM-PM200SA
computer is optional

SPECIFICATION

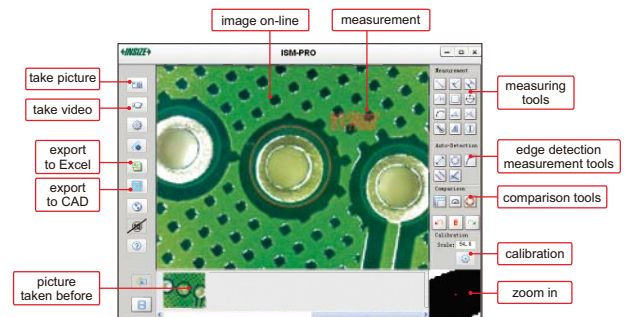
Code	ISM-PM200SA
List Price (₹)	18265
Promotion Price (₹)	13335
Magnification	10X~200X
Focus distance	short focus distance
Stand	standard
Focus support	included
Calibration rule	graduation 0.1 and 1mm
Pixel	2M (resolution: 1600×1200)
Illumination	built-in adjustable LED
Power supply	USB 2.0 cable (voltage required: 5±0.1V)

MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

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

OPTIONAL ACCESSORY

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



ZOOM STEREO MICROSCOPE (STANDARD TYPE) CODE ISM-ZS50

SPECIFICATION

List Price (₹)	71173
Promotion Price (₹)	56108
Optical tube	binocular
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

STANDARD DELIVERY

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



OPTIONAL ACCESSORY

Auxiliary objective	0.5X	ISM-ZS50-OB05X*
	2X	ISM-ZS50-OB2X
	10X dividing eyepiece (graduation 0.1mm/div.)	ISM-ZS50-EPD10X
Eyepiece	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Digital camera		ISM-D500
LED ring light		ISM-ZS-RL
Sleeve		ISM-ZS30-ADAPTER

*0.5X auxiliary objective must be used with sleeve

ZOOM STEREO MICROSCOPE (BASIC TYPE) CODE ISM-ZS30

SPECIFICATION

List Price (₹)	34466
Promotion Price (₹)	27171
Optical tube	binocular
Eyeiece (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



LED ring light (optional)



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 (graduation 0.1mm/div.)	ISM-ZS30-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Digital camera		ISM-D500
LED ring light		ISM-ZS-RL
Sleeve		ISM-ZS30-ADAPTER

*0.5X, 0.63X and 0.75X auxiliary objectives must be used with sleeve

STANDARD DELIVERY

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

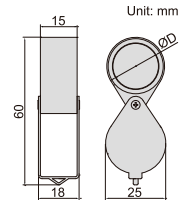
FOLDING MAGNIFIER

► Glass lens

Code	Magnification	Lens diameter (ØD)	List Price (₹)	Promotion Price (₹)
7511-8	10X	Ø21mm	145	124



7511-8

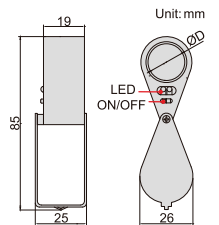


FOLDING MAGNIFIER WITH ILLUMINATION

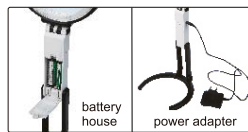
► Glass lens
► Powered by 3xLR927 batteries (included)



7515-10



THREE WAYS MAGNIFIER WITH ILLUMINATION

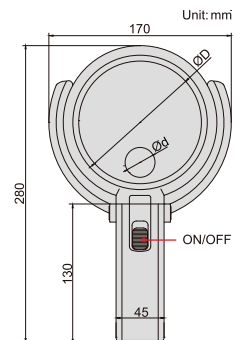


► Resin lens
► Powered by 2xAA batteries (included) or power adapter (110~240V, 50~60Hz)

Code	Magnification	Lens diameter (ØD)	Lens diameter (ØD)	List Price (₹)	Promotion Price (₹)
7512-1	2X/4X	Ø120mm	Ø28mm	1075	916



7512-1



MAGNIFIERS WITH ILLUMINATION

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



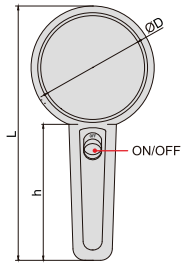
Code	Magnification	Lens diameter (ØD)	L	H	List Price (₹)	Promotion Price (₹)
7513-2	2X	Ø75mm	170mm	90mm	363	309
7513-4	4X	Ø50mm	145mm	90mm	333	284



7513-2



7513-4



MAGNIFIER WITH TWO LENSES

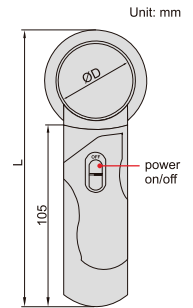
- ▶ Resin lens
- ▶ Interchangeable lenses
- ▶ Powered by 3 pcs AAA batteries (included)



Code	Lens number	Magnification	Lens diameter (ØD)	L	List Price (₹)	Promotion Price (₹)
7522-610	2 pcs	6X	37mm	148mm	619	495
		10X	50mm	160mm		



7522-610



Unit: mm

MAGNIFIER WITH ILLUMINATION

- ▶ Two magnifications
- ▶ LED illumination
- ▶ Powered by 2pcs AAA batteries (included)
- ▶ Resin lens



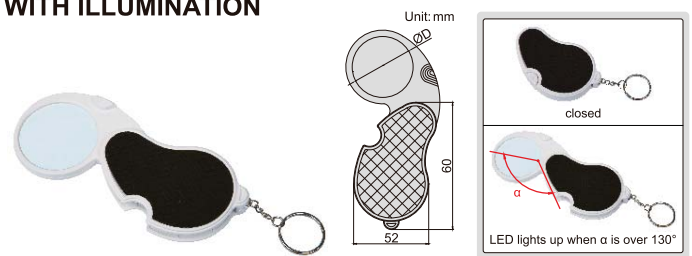
7518-26



Code	Magnification	Lens size	List Price (₹)	Promotion Price (₹)
7518-26	2X/6X	90x55mm	674	567

FOLDING MAGNIFIER WITH ILLUMINATION

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



7514-1



Code	Magnification	Lens diameter (ØD)	List Price (₹)	Promotion Price (₹)
7514-1	2.5X	Ø45mm	315	268

TABLE MAGNIFIER WITH ILLUMINATION CODE 7516-5D

- ▶ LED illumination, working life 20000h



SPECIFICATION

List Price (₹)	3770
Promotion Price (₹)	3311
Magnification	2.25X
Diopter	5D
Lens diameter	Ø122mm
Illumination	power: 7W, illuminance: 420lm
Power supply	100~240V, 50~60Hz



TABLE MAGNIFIER WITH ILLUMINATION CODE 7517-3D

- ▶ Four steps brightness adjustment
- ▶ LED illumination, working life 20000h
- ▶ Resin lens



SPECIFICATION

List Price (₹)	3392
Promotion Price (₹)	2857
Magnification	1.75X
Diopter	3D
Lens diameter	Ø125mm
Illumination	power: 3W, illuminance: 260lm
Power supply	100~240V, 50~60Hz



MAGNIFICATION GLASSES

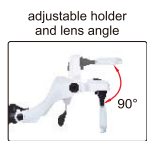


- ▶ Resin lens
- ▶ Interchangeable lenses
- ▶ Powered by 3 pcs AAA batteries (included)

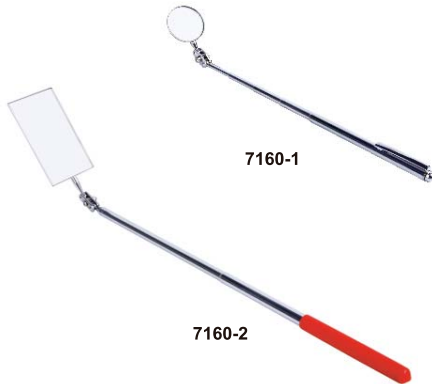
7523-3D5



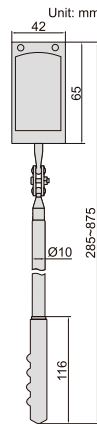
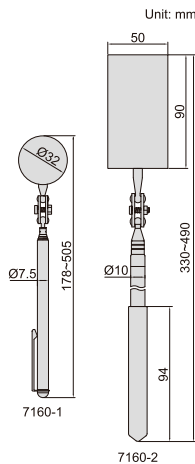
Code	Lens number	Magnification	List Price (₹)	Promotion Price (₹)
7523-3D5	5 pcs	1X	955	764
		1.5X		
		2X		
		2.5X		
		3.5X		



TELESCOPING INSPECTION MIRRORS

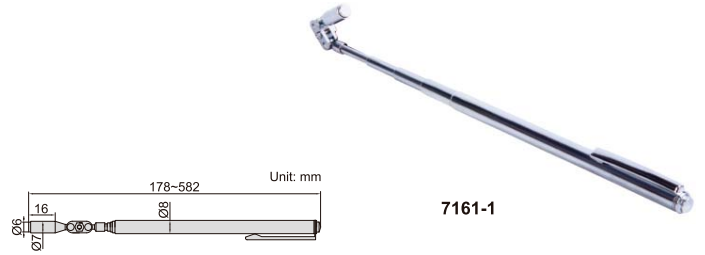


- ▶ Inspect hidden areas
- ▶ Rotation of the mirror: 360°
- ▶ Length of the handle is adjustable, the handle is made of brass and chrome plated



Code	Size of mirror	Length	List Price (₹)	Promotion Price (₹)
7160-1	Ø32mm	178~505mm	477	436
7160-2	50x90mm	330~490mm	1140	1051

TELESCOPING MAGNETIC PICK-UP

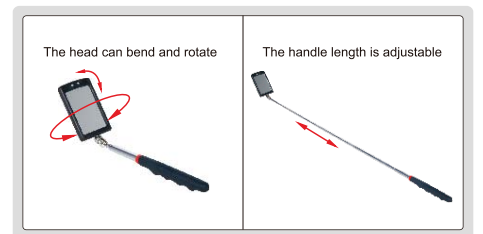


- ▶ Pick up metal parts from hidden areas
- ▶ Rotation of the magnetic head: 360°
- ▶ Length of the handle is adjustable, the handle is made of brass and chrome plated

Code	Size of magnetic tip	Magnetic force	Length	List Price (₹)	Promotion Price (₹)
7161-1	Ø6mm	0.45kgf	178~582mm	513	471

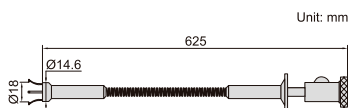
TELESCOPING INSPECTION MIRROR (WITH ILLUMINATION)

- ▶ Inspect hidden areas
- ▶ The head can bend and rotate
- ▶ Telescoping handle, made of stainless steel
- ▶ With two CR2032 batteries



Code	Size of mirror	Length	List Price (₹)	Promotion Price (₹)
7162-1	65x42mm	285~875mm	411	347

FLEXIBLE PICK-UP AND FLASHLIGHT



- ▶ To illumination, to pick up parts from hidden areas, or to pick up metal parts
- ▶ Flexible spring rod, made of stainless steel
- ▶ Three LR44 batteries

7164-1

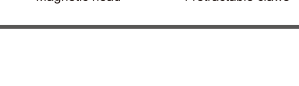
Code	Magnetic force	Flashlight range	Battery life	List Price (₹)	Promotion Price (₹)
7164-1	0.9kgf	1m	24h	493	370



Flexible spring rod



Flashlight head



Magnetic head



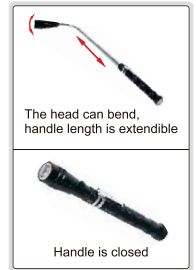
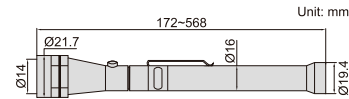
4 retractable claws

TELESCOPING MAGNETIC PICK-UP AND FLASHLIGHT

- ▶ For illumination and pick up metal parts in hidden areas
- ▶ The head can bend
- ▶ Telescoping handle, made of stainless steel
- ▶ Magnetic head and end
- ▶ With four LR44 batteries



7163-1



Code	Magnetic end	Magnetic head	Flashlight range	Battery life	Length	List Price (₹)	Promotion Price (₹)
7163-1	4kgf	2kgf	3m	8h	172~568mm	553	466

ROUGHNESS TESTER CODE ISR-C100

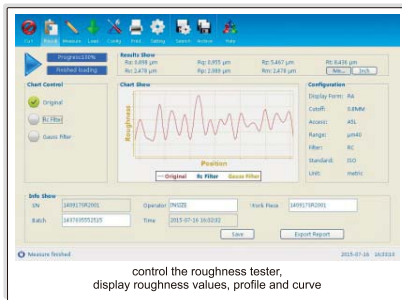
ATTENTION: PROBE IS NOT EXTENDABLE

DATA OUTPUT

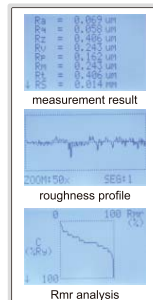
- ▶ 16 roughness parameters
- ▶ With probe position indicator
- ▶ Connected with printer via bluetooth
- ▶ Can display roughness values, profile and curve
- ▶ Memory of maximum 100 results
- ▶ Automatic power off



measuring software for PC (included)



screen display



printer (optional)



software CD (included)



probe cover (included)



test stand (optional)



adjustable stand (included)



remote control (included)



SPECIFICATION

List Price (₹)	122195	
Promotion Price (₹)	72120	
Parameters	Ra, Rq, Rz, Rv, Rp, Rm, Rt, RS, Rsm, R3z, R3y, Rz (JIS), Rku, Rsk, Rmax, Rpc	
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)	140×52×48mm	
Weight	440g	

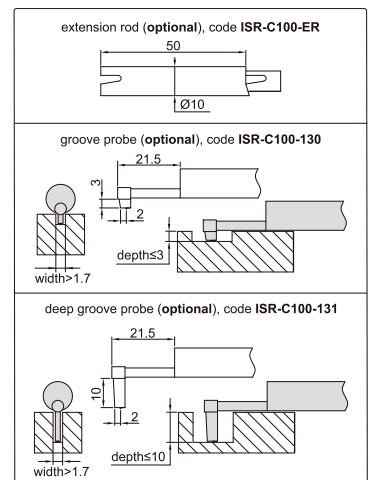
STANDARD DELIVERY

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

OPTIONAL ACCESSORY

Extension rod	ISR-C100-ER
Groove probe	ISR-C100-130
Deep groove probe	ISR-C100-131
Test stand	ISR-C100-STAND
Printer	ISR-C100-PRINTER

Unit:mm



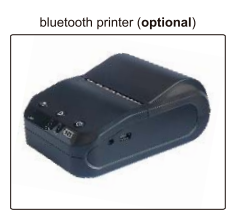
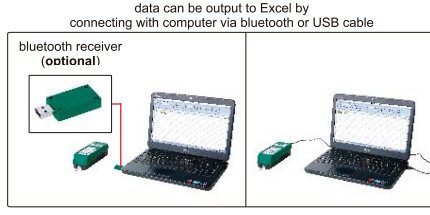
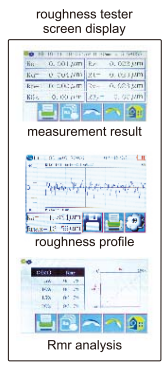
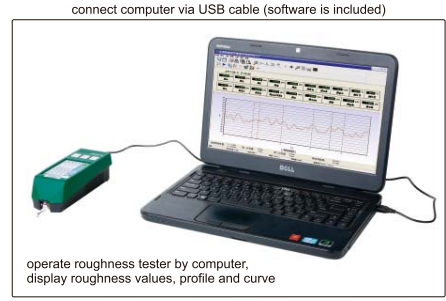
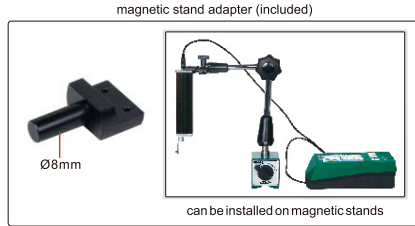
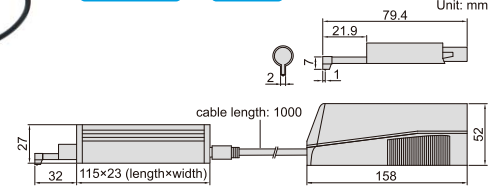
ROUGHNESS TESTER (SEPARABLE TYPE) CODE ISR-C300

- ▶ Roughness tester can be operated by mobile phone (only android system) or computer
- ▶ Data can be output to Excel by connecting with computer via bluetooth or USB cable
- ▶ Support bluetooth printer
- ▶ 22 roughness parameters
- ▶ Meet ISO, DIN, ANSI, JIS standards
- ▶ Display roughness values, profile and curve
- ▶ Memory of maximum 100 data and waveform
- ▶ Built-in lithium battery, working time more than 50 hours
- ▶ Touch screen
- ▶ Automatic power off



CAN BE OPERATED BY COMPUTER OR MOBILE PHONE TOUCH SCREEN

BLUETOOTH DATA OUTPUT



NOTE: Please confirm whether the adapter can fit your height gages. When using INSIZE height gages, please use the dial test indicator holder of height gages

optional probes	Unit: mm
<p>software CD (included)</p>	<p>extension rod (optional), code ISR-C002-ER</p> <p>probe extension rod</p>
<p>small hole probe (optional), code ISR-C002-PROBE</p> <p>diameter > Ø5</p>	<p>tiny hole probe (optional), code ISR-C002-SBP</p> <p>diameter > Ø2</p>
<p>deep groove probe (optional), code ISR-C002-DGP</p> <p>width > 3 depth ≤ 10</p>	

SPECIFICATION

List Price (₹)	119005
Promotion Price (₹)	96096
Parameters	Ra, Rz, Rq, Rv, Rp, Rs, R3z, R3y, Rt, Rc, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry, Rmax
Range	X axis: 17.5mm
	Z axis: 320µm (-160µm~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	1~5
Traverse speed	0.135mm/s, 0.5mm/s, 1mm/s
Memory	100 measurement results
Output	USB and bluetooth
Power	built-in rechargeable battery
Dimension (L*W*H)	158*64*52mm
Weight	400g

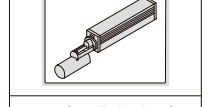
STANDARD DELIVERY

Main unit	1pc
Standard probe	1pc
Calibration block and support	1pc of each
Connecting cable (long and short)	1pc of each
Magnetic stand adapter	1pc
Adjustable stand	1pc
Touch pen	1pc
USB cable and software	1pc
AC/DC adapter	1pc



OPTIONAL ACCESSORY

Extension rod	ISR-C002-ER
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
Deep groove probe	ISR-C002-DGP
Bluetooth printer	ISR-C002-PRINTER
Height gage adapter	ISR-C300-LB1
Bluetooth receiver	ISR-C300-RECEIVER
Support for flat surface	ISR-C300-COVER1
Support for cylindrical surface	ISR-C300-COVER2

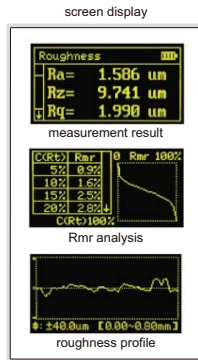
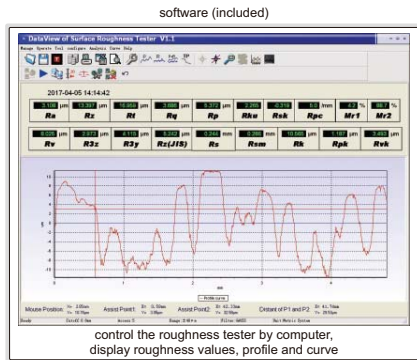


ROUGHNESS TESTER CODE ISR-C002

CAN BE CONTROLLED
BY COMPUTER

DATA
OUTPUT

- ▶ 21 roughness parameters
- ▶ Display roughness values, profile and curve
- ▶ Memory of maximum 100 results
- ▶ Automatic power off



probe cover (included)



software CD (included)



printer (optional)



adjustable stand (included)



Unit: mm

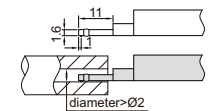
extension rod (optional), code ISR-C002-ER



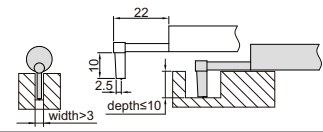
transverse rod (optional), code ISR-C002-TR



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



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



SPECIFICATION

List Price (₹)	105323
Promotion Price (₹)	80136
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
Power	built-in rechargeable battery
Dimension (L×W×H)	141×55×40mm
Weight	400g

heavy duty test stand (optional)



light duty test stand (optional)



STANDARD DELIVERY

Main unit	1 pc
Standard probe	1 pc
Calibration block and support	1 pc of each
Adjustable stand	1 pc
Probe cover	1 pc
Software	1 pc
AC/DC adapter	1 pc

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
Printer	ISR-C002-PRINTER

ROUGHNESS TESTER CODE ISR-C003



calibration block (included)

- ▶ Unit: µm, µin
- ▶ Automatic power off



List Price (₹)	79213
Promotion Price (₹)	65451

STANDARD DELIVERY

Main unit	1 pc
Calibration block	1 pc
AC/DC adapter	1 pc

SPECIFICATION

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

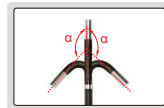
MANUAL 360° SWIVEL VIDEOSCOPE

**TUNGSTEN WIRE WEAVED CABLE
RESISTANCE TO BREAK AND WEAR**

**IP64
WATERPROOF**

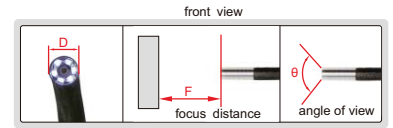


ISV-2000DS



SPECIFICATION

Code	ISV-2000DS	
List Price (₹)	291204	
Promotion Price (₹)	267325	
Lens	direction	front view
	diameter (D)	6.5mm
	focus distance (F)	15mm~∞
	bending range (α)	±160°
	angle of view (θ)	90°
	illumination	6 pcs LED
Cable	pixel	0.44M
	resolution	800×480
	dust/waterproof	IP64
	bend control	manual joystick
Main unit	length	1.5m
	type	tungsten wire weaved cable
	function	take picture, take video
	file format	picture: JPG, video: AVI
	image process	brightness, image quality zoom (1X, 2X, 3X)
	memory	8G SD card
Weight	output	TV, USB
	power supply	rechargeable battery (for 4 hours working) AC/DC adapter (for continuous working)
		650g



STANDARD DELIVERY

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

COATING THICKNESS GAGE CODE 9501-1200

**FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES**

**DATA
OUTPUT**

- ▶ 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



**magnetic induction
probe FE is included**



eddy current probe
NFE (optional) with
zero calibration block



magnetic induction
probe FE90 for bores
and grooves (optional)



zero calibration block
for FE (included)



calibration foils
(included)

SPECIFICATION

List Price (₹)	22389			
Promotion Price (₹)	20166			
Probe type	FE (included) magnetic induction probe	NFE (optional) eddy current probe	FE90 (optional) magnetic induction probe for bores and grooves	FE10 (optional) magnetic induction probe with big range
Measuring range	0~1250μm	0~1250μm	0~1250μm	500~10000μm
Accuracy	±(3%L+1)μm (range≤1250μm) ±(3%L+10)μm (range>1250μm) 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			

OPTIONAL ACCESSORY

Eddy current probe (NFE) with zero calibration block	9501-1200-NFE
Magnetic induction probe (FE90) for bores and grooves	9501-1200-FE90
Magnetic induction probe (FE10) with big range	9501-1200-FE10

STANDARD DELIVERY

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

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



ATTENTION: NOT SUITABLE
FOR CASTING WORKPIECES



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

STANDARD DELIVERY

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



SPECIFICATION

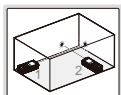
List Price (₹)	38114	
Promotion Price (₹)	24631	
Measuring range	0.8~300mm	
Resolution	0.01mm (range<100mm) 0.1mm (range≥100mm)	
Accuracy	±0.04mm (range<10mm) ±(0.04+H/1000)mm (range 10~100mm) ±H/333mm (range≥100mm) H is the thickness to be measured in mm	
Transducer	frequency	5MHz
	diameter (Ød)	10.8mm
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	

LASER DISTANCE METER

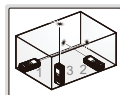
- ▶ Large display with backlight
- ▶ Unit: m, ft, in
- ▶ Distance, area, volume and height measurement
- ▶ Continuous measuring mode to track maximum and minimum value
- ▶ Memory of 99 measurement values
- ▶ Automatic power off: laser 20s, main unit 150s



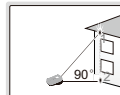
distance measurement



area measurement



volume measurement



height measurement

SPECIFICATION

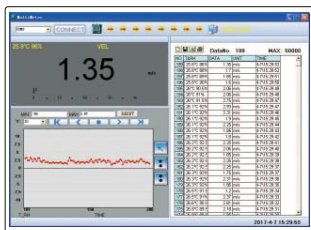
Code	9561-40	9561-80
List Price (₹)	5561	7077
Promotion Price (₹)	5005	5865
Measuring range	0.05~40m	0.05~80m
Accuracy	±3mm	
Resolution	1mm, 10mm, 0.1", 0.01ft	
Measuring speed	0.5 second	
Laser type	635nm, Class II, <1mW	
Power supply	3×AAA batteries, for 4000 measurements	
Dimension (L×W×H)	120x60x28mm	
Weight	175g	

STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	3 pcs

DIGITAL ANEMOMETER CODE 9331-40

DATA
OUTPUT



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



software CD (included)

STANDARD DELIVERY

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

SPECIFICATION

List Price (₹)	6398	
Promotion Price (₹)	5820	
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
Accuracy	relative humidity	0~100%RH
	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
Resolution	relative humidity	±3% (20~80%RH), ±5% (<20%RH or >80%RH)
	velocity	0.01m/s, 0.01km/h, 0.01mil/h, 0.01ft/s, 1ft/m, 0.01knots
	flow	0.01CMS, 0.1CMM, 0.1CFM
Flowing area range	temperature	0.1°C/0.1°F
	relative humidity	0.1%RH
	velocity	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	

INFRARED THERMOMETER CODE 9120-550

- ▶ With maximum reading
- ▶ Low and high limits with judgement
- ▶ Automatic power off



STANDARD DELIVERY

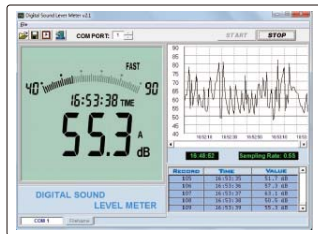
Main unit	1 pc
1.5V AAA battery	2 pcs

SPECIFICATION

List Price (₹)	3618
Promotion Price (₹)	2945
Measuring range	-30~550°C/-22~1022°F
Accuracy	-30~0°C (-22~32°F): ±3°C 0~550°C (32~1022°F): ±(1.5%+2°C)
Resolution	0.1°C/0.1°F
Distance to spot ratio (D:S)	12:1
Emissivity	0.1~1 (adjustable)
Laser type	630~670nm, Class II, <1mW
Response time	<0.5s
Power supply	2×1.5V AAA batteries
Dimension	155×110×45mm
Weight	126g (without batteries)

DIGITAL SOUND LEVEL METER CODE 9351-130

DATA
OUTPUT



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



SPECIFICATION

List Price (₹)	9580
Promotion Price (₹)	8715
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

- ▶ 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

STANDARD DELIVERY

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

NON-CONTACT DIGITAL TACHOMETER CODE 9221-999

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

reflection sticker (included)



STANDARD DELIVERY

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

SPECIFICATION

List Price (₹)	4023
Promotion Price (₹)	3429
Measuring range	50~99999RPM
Accuracy	±(0.03%+2) RPM 0.01RPM (range 50~99.99RPM)
Resolution	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

PEN-TYPE DIGITAL MULTIMETER CODE 9241-ML200

- ▶ Auto/manual ranging
- ▶ Maximum mode
- ▶ Data hold
- ▶ Non contact voltage
- ▶ Low battery display
- ▶ Auto power off
- ▶ Safety rating: CAT III 600V

STANDARD DELIVERY

Main unit	1 pc
Probe	1 pc
Clip	2 pcs
1.5V battery	2 pcs

probe is included



clips are included



List Price (₹)	2314
Promotion Price (₹)	2125

SPECIFICATION

Function	Range	Resolution	Accuracy
DC Voltage	200mV/2V/20V/200V/600V	0.1mV/1mV/10mV/0.1V/1V	±(0.7%+2)
	200mV/2V/20V/200V	0.1mV/1mV/10mV/0.1V	±(0.8%+3)
AC Voltage	600V	1V	±(1.0%+3)
DC Current	20mA/200mA	10µA/0.1mA	±(1.5%+3)
AC Current	20mA/200mA	10µA/0.1mA	±(2.0%+3)
	200Ω	0.1Ω	±(1.0%+3)
Resistance	2kΩ/20kΩ/200kΩ/2MΩ	1Ω/10Ω/0.1kΩ/1kΩ	±(1.0%+1)
	20MΩ	10kΩ	±(1.0%+5)
NCV	>50V AC		
Logic level test	<1.5V (green LED on) 1.5~3.5V (green & red LED off) >3.5V (red LED on)		
Diode	open circuit voltage 1.5V		
Continuity buzzer	<60Ω		
Power supply	2×1.5V AAA batteries		

DIGITAL MULTIMETER CODE 9242-ML100

- ▶ Data hold
- ▶ Display backlight
- ▶ Low battery display
- ▶ Safety rating: CAT II 600V

probes are included



List Price (₹)	1282
Promotion Price (₹)	1177

SPECIFICATION

Function	Range	Resolution	Accuracy
DC Voltage	200mV/2V/20V/200V	0.1mV/1mV/10mV/0.1V	±(0.5%+3)
	600V	1V	±(0.8%+5)
AC Voltage	200V/600V	0.1V/1V	±(1.2%+10)
DC Current	200µA/2mA	0.1µA/1µA	±(1.0%+3)
	20mA	10µA	±(1.0%+5)
	200mA	0.1mA	±(1.5%+5)
Resistance	10A	10mA	±(3.0%+10)
	200Ω	0.1Ω	±(0.8%+5)
	2kΩ/20kΩ/200kΩ	1Ω/10Ω/0.1kΩ	±(0.8%+2)
	2MΩ	1kΩ	±(1.0%+5)
Diode	open circuit voltage 3.0V		
Continuity buzzer	<70±30Ω		
Transistor hFE	measuring range 0~1000		
Power supply	1×9V 6F22/NEDA 1604 battery		

AC DIGITAL CLAMP METER CODE 9243-CA600

- ▶ Auto/manual ranging
- ▶ Maximum mode
- ▶ Data hold
- ▶ Display backlight
- ▶ Work light
- ▶ Low battery display
- ▶ Auto power off
- ▶ Safety rating: CAT III 600V

probes are included



List Price (₹)	2563
Promotion Price (₹)	2353

SPECIFICATION

Function	Range	Resolution	Accuracy
DC Voltage	200mV/2V/20V/200V	0.1mV/1mV/10mV/0.1V	±(0.8%+2)
	600V	1V	±(1.0%+2)
AC Voltage	200mV	0.1mV	±(1.0%+10)
	2V/20V/200V	1mV/10mV/0.1V	±(1.0%+5)
	600V	1V	±(1.2%+5)
AC Current	2A(≤0.5A)	1mA	±(3.5%+20)
	2A	1mA	±(3.0%+10)
	20A	10mA	±(3.0%+10)
	200A	0.1A	±(2.5%+10)
	600A	1A	±(1.5%+5)
Resistance	200Ω/2kΩ/20kΩ/200kΩ/2MΩ	0.1Ω/1Ω/10Ω/0.1kΩ/1kΩ	±(1.2%+2)
	20MΩ	10kΩ	±(2.0%+5)
Diode	open circuit voltage 1.5V		
Continuity buzzer	<60Ω		
Power supply	3×1.5V AAA batteries		

STANDARD DELIVERY

Main unit	1 pc
Probe	2 pcs
1.5V battery	3 pcs

PORTABLE REFRACTOMETER CODE ISQ-RM30

SUITABLE FOR WATER
BASED COOLANT

- ▶ 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 $(2.1 \times 6\%) = 12.6\%$



SPECIFICATION

List Price (₹)	5730
Promotion Price (₹)	3764
Measuring range	0~32%
Graduation	0.2%
Dimension	27×40×160mm
Weight	175g

CROSS-LINE LASER LEVEL CODE 4917-30

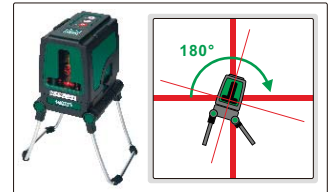
- ▶ Red horizontal and vertical cross laser lines
- ▶ Self-leveling within $\pm 3^\circ$, self-leveling time within 4s, "out of $\pm 3^\circ$ " audible and visual warning
- ▶ Folding legs for angle and height adjustment
- ▶ Outdoor use can be combined with the detector (code: 4917-DETECTOR)

IP54
WATERPROOF

"OUT OF $\pm 3^\circ$ " AUDIBLE
AND VISUAL WARNING



folding legs for angle and height adjustment



SPECIFICATION

List Price (₹)	6693
Promotion Price (₹)	5852
Laser line width	2±0.5mm/5m
Laser type	630~660nm, class II, <1mW
Beam angle	120±0.5°
Self-leveling range	±3°
Working distance	indoor: 30m, outdoor: 50m with detector (optional)
Accuracy	0.2mm/m
Operation temperature	-10~40°C
Power supply	3×AA batteries, for 3 hours continuous operation
Dimension	100×82×104mm
Weight	620g

application examples



STANDARD DELIVERY

Main unit	1 pc
1/4" to 5/8" tripod adaptor	1 pc
Battery (AA)	3 pcs

OUTDOOR DETECTOR (OPTIONAL)

Detecting distance	horizontal direction 1~50m, vertical direction 1~30m
Detecting accuracy	high accuracy $\pm 1.5\text{mm}$, low accuracy $\pm 2.5\text{mm}$
Power supply	9V battery
Dimension	168×58×30mm
Weight	140g (battery included)



OPTIONAL ACCESSORY

Outdoor detector	4917-DETECTOR
------------------	---------------

* Use high accuracy detection mode within 15m, use low accuracy detection mode over 15m

DIGITAL LEVEL AND SLOPE METER

WORKING TEMPERATURE:
-5°C~50°C

DISPLAY FLIPS OVER WHEN
THE BOTTOM FACES UP

ABSOLUTE
LEVEL

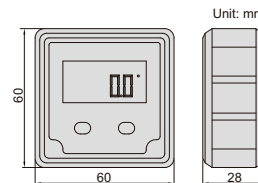
MAGNETIC
BOTTOM

BACKLIGHT

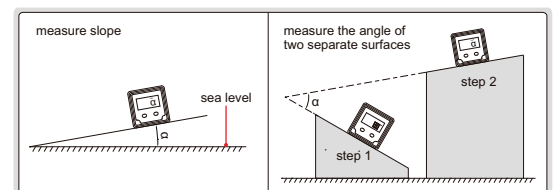
- ▶ Can be used as level and slope meter, measure the angle of two separate surfaces
- ▶ Aluminum frame
- ▶ Magnetic bottom
- ▶ The display flips over when the bottom faces up
- ▶ The backlight is on automatically when in use, and automatically off in 15 minutes after use
- ▶ The sea level is permanently 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



2170-1

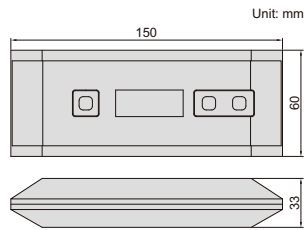


Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2170-1	4x90°	0.1° (=1.745 mm/m)	at 0° and 90°: $\pm 0.1^\circ$, others: $\pm 0.2^\circ$	2692	1865

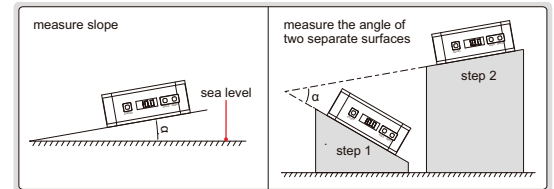


DIGITAL LEVEL AND SLOPE METER

- ▶ Aluminum frame
- ▶ Used as level and slope meter to measure the angle of two separate surfaces
- ▶ 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

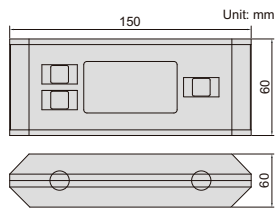


2173-360



Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2173-360	0-360° (90°x4)	0.1° (=1.745 mm/m)	at 0° and 90°: ±0.1°, others: ±0.2°	6015	3855

DIGITAL LEVEL AND SLOPE METER



2179-360

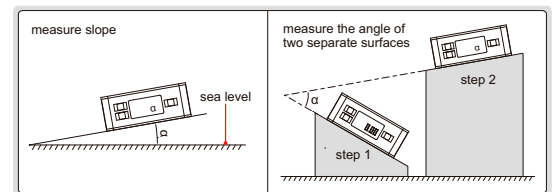
IP54
WATERPROOF

ABSOLUTE LEVEL

BACKLIGHT

WORKING TEMPERATURE
-5°C ~ 50°C

BUZZER ALARM
AT 0° AND 90°



- ▶ IP54 dust/waterproof
- ▶ Used as level and slope meter to measure the angle of two separate surfaces
- ▶ Aluminum frame
- ▶ Magnetic bottom with V-groove for plane and cylinder
- ▶ The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- ▶ Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit (mm/m, %, in/ft), conversion, backlight
- ▶ Two AAA batteries, automatic power off

Code	Range	Resolution	Accuracy	List Price (₹)	Promotion Price (₹)
2179-360	0-360° (90°x4)	0.05° (=0.873 mm/m)	at 0° and 90°: ±0.1°, others: ±0.2°	6391	4242

DIGITAL LEVELS AND SLOPE METERS

ABSOLUTE LEVEL

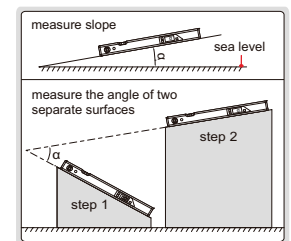
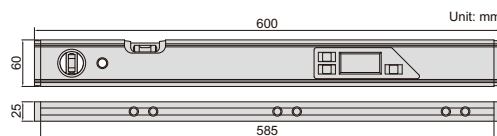
BACKLIGHT

WORKING TEMPERATURE
0°C ~ 50°C

- ▶ With transverse and longitudinal vials
- ▶ Used as level and slope meter to measure the angle of two separate surfaces
- ▶ 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



4910-600



Code	Range	Resolution	Accuracy	Remark	List Price (₹)	Promotion Price (₹)
4910-600	0-360° (90°x4)	at 0° and 90°: 0.05° (=0.8725mm/m); at others: 0.1° (=1.745mm/m)	at 0° and 90°: ±0.1°; at others: ±0.2°	at 0° and 90° buzzer alarm	5376	3976

CAST ALUMINUM LEVEL

LIFETIME WARRANTY VIALS

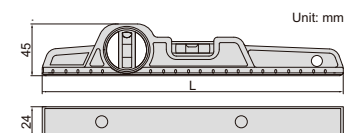
MAGNETIC BASE

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



4913-250

packaging

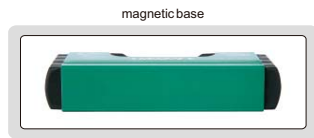
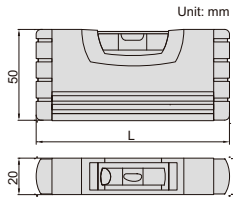


magnetic bottom surface (milled)

Code	Size (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4913-250	250mm	0.5mm/m	774	711

PORTABLE LEVEL

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



4912-100



Code	Size (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4912-100	100mm	0.5mm/m	455	417

LIFETIME WARRANTY VIAL

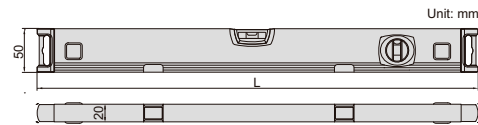
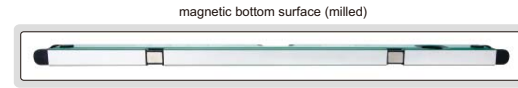
MAGNETIC BASE

ALUMINUM LEVELS

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



4914-600



Code	Size (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4914-300	300mm	0.5mm/m	851	759
4914-600	600mm	0.5mm/m	1096	1007
4914-1000	1000mm	0.5mm/m	1568	1440

LIFETIME WARRANTY VIALS

MAGNETIC BASE

ALUMINUM ALLOY LEVELS

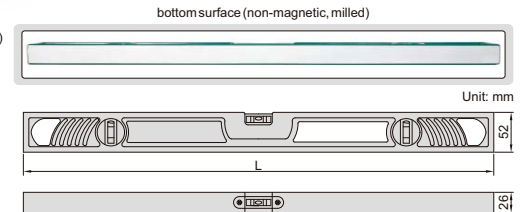
- ▶ Top and bottom working surfaces
- ▶ Shock-proof and UV-proof vials
- ▶ Die casting aluminum alloy frame
- ▶ Zero position of horizontal vial can be set
- ▶ One graduation of horizontal vial is 2% slope
- ▶ Working temperature: -15°C~55°C



4911-600

Code	Length (L)	Accuracy	List Price (₹)	Promotion Price (₹)
4911-600	600mm	0.5mm/m (.006in/ft)	1898	1613
4911-800	800mm	0.5mm/m (.006in/ft)	2106	1790

LIFETIME WARRANTY VIALS



PORTABLE LEEB HARDNESS TESTER CODE ISH-PHB

- ▶ 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

SPECIFICATION

List Price (₹)	50703
Promotion Price (₹)	33551
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	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



INSPECTION CERTIFICATE



hardness test block D (included)



small support ring (included)



printer (optional)

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

Printer	ISH-DS-PRINTER
Couplant	ISH-COULPLANT
Support rings	see details
Hardness test block D	ISH-BHLD

MANUAL ROCKWELL HARDNESS TESTER (BASIC TYPE) CODE HDT-RW160



SPECIFICATION

List Price (₹)	80439
Promotion Price (₹)	65156
Hardness scale	HRA, HRB, HRC, HRD, HRF, HRG
Preliminary test force	98N(10kg)
Test force	588N(60kg), 980N(100kg), 1471N(150kg)
Display	analogue
Stage elevation	manual
Load control	manual
Min. reading	0.5HR
Max. workpiece height	170mm
Max. workpiece depth	135mm (from the center of indenter)
Dimension	466×238×630mm
Weight	70kg

STANDARD DELIVERY

Main unit	1 pc
Ø58mm flat anvil	1 pc
Ø150mm flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
Ø1.5875mm steel ball indenter	1 pc
Ø1.5875mm steel ball	5 pcs
Level	1 pc
Hardness test block HRA80~88	1 pc
Hardness test block HRB85~95	1 pc
Hardness test block HRC20~30	1 pc
Hardness test block HRC35~55	1 pc
Hardness test block HRC60~70	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Hardness test block HRA80~88	ISH-BHRA
Hardness test block HRB85~95	ISH-BHRB
Hardness test block HRC20~30	ISH-BHRC1
Hardness test block HRC35~55	ISH-BHRC2
Hardness test block HRC60~70	ISH-BHRC3
Small V-type anvil	ISH-SMALL ANVIL



Ø58mm flat anvil (included)



Ø150mm flat anvil (included)



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

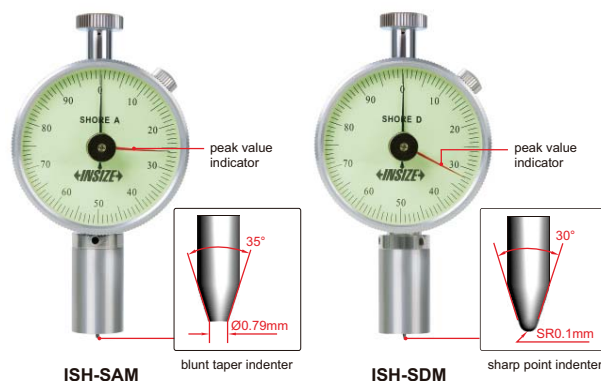


level (included)



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

SHORE DUROMETERS



- ▶ 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
List Price (₹)	8330	14620
Promotion Price (₹)	6260	10668
Scale	Shore A	Shore D
Application	natural rubber, soft elastomer, etc.	hard rubber, plastic, hard elastomer, etc.
Measuring range*	10~90HA	20~90HD
Graduation	1HA	1HD
Indenter protrusion	2.5mm	
Dimension	115x60x25mm	
Weight	160g	

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

PORTABLE LEEB HARDNESS TESTER (BASIC TYPE) CODE ISHL-P200

WITH BUILT-IN
PRINTER

DATA
OUTPUT

- ▶ Supplied with impact device D and built-in printer
- ▶ 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, print and output
- ▶ Low and high limits with judgement
- ▶ Automatic power off



SPECIFICATION

List Price (₹)	48544	
Promotion Price (₹)	42508	
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	built-in rechargeable battery	
Dimension	198×82×30mm	
Weight	320g	

STANDARD DELIVERY

Main unit with printer	1 pc
Impact device D	1 pc
Hardness test block D	1 pc
Printer paper	1 pc
Small support ring	1 pc
Cleaning brush	1 pc
AC/DC adapter	1 pc



hardness test block D (included)



small support ring (included)

OPTIONAL ACCESSORY

Couplant	ISH-COUPPLANT
Hardness test block D	ISHL-P100-BLOCK
Printer paper	ISHL-P200-PAPER
Support rings	see details

PORTABLE HARDNESS TESTER (BASIC TYPE) CODE ISHL-P100

- ▶ 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

SPECIFICATION

List Price (₹)	41121	
Promotion Price (₹)	24866	
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	



VIDEO

STANDARD DELIVERY

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



small support ring (included)

OPTIONAL ACCESSORY

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



hardness test block D (included)

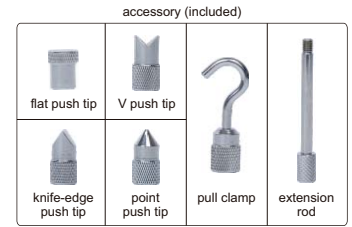
FORCE GAGES

TWO SCALES
N & KGF

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



ISF-F500



SPECIFICATION

Code	ISF-F10	ISF-F20	ISF-F30	ISF-F50	ISF-F100	ISF-F200	ISF-F300	ISF-F500	
List Price (₹)	10375	10375	10375	9057	9057	9057	9057	9057	
Promotion Price (₹)	7557	7557	7557	7557	7557	7557	7557	7557	
Capacity	N	10	20	30	50	100	200	300	500
	kgf	1	2	3	5	10	20	30	50
Graduation	N	0.05	0.1	0.2	0.25	0.5	1	2	2.5
Accuracy	±1% (of load capacity)								

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

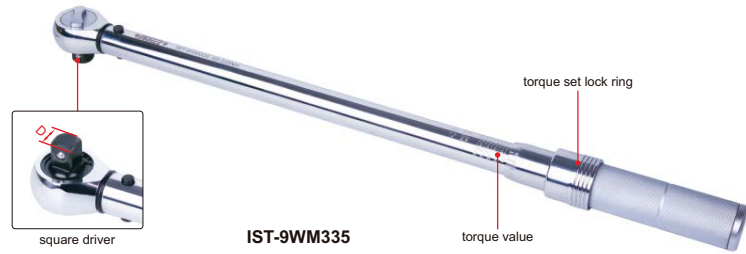
Test stand	ISF-MT500
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TORQUE WRENCHES

ATTENTION: CLOCKWISE OPERATION ONLY



- ▶ According to DIN ISO 6789, ASME B107.300
- ▶ All-metal construction, sturdy and durable



IST-9WM335

SPECIFICATION

Code	IST-9WM20	IST-9WM30	IST-9WM60	IST-9WM100	IST-9WM125	IST-9WM200	IST-9WM335	IST-9WM500
List Price (₹)	6810	6356	6496	6735	7216	7234	7741	40459
Promotion Price (₹)	6073	5668	5793	6006	6435	6452	6903	36080
Range (clockwise)	4~20N.m	6~30N.m	10~60N.m	20~100N.m	25~125N.m	40~200N.m	65~335N.m	100~500N.m
Accuracy	±6% (<10N.m) ±4% (≥10N.m)	±6% (<10N.m) ±4% (≥10N.m)	±4%	±4%	±4%	±4%	±4%	±4%
Graduation	0.1N.m	0.2N.m	0.5N.m	0.5N.m	0.5N.m	1N.m	1N.m	2.5N.m
Square driver (D)	1/4"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	3/4"
Length	290mm	318mm	388mm	443mm	443mm	468mm	528mm	855mm
Weight	680g	820g	960g	1040g	1040g	1160g	1300g	5000g

DIAL TORQUE WRENCHES

ACCURACY ±3%



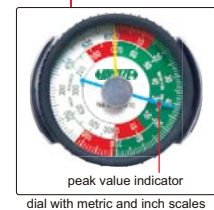
- ▶ Clockwise and counter-clockwise operation
- ▶ According to DIN ISO 6789, ASME B107.300



IST-DW70

SPECIFICATION

Code	IST-DW3D5	IST-DW9	IST-DW18	IST-DW35	IST-DW70	IST-DW140	IST-DW240	IST-DW350
List Price (₹)	10526	10526	10886	10886	12170	13992	13992	13992
Promotion Price (₹)	9711	9711	10042	10042	11226	12907	12907	12907
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	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
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

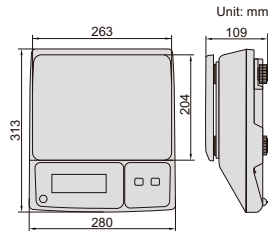


WEIGHING SCALES (HIGH PRECISION)

ATTENTION: NO DATA OUTPUT



8001-30



- ▶ LCD display, with backlight
- ▶ Zero-setting, subtracting tare value
- ▶ Overload alarm
- ▶ Automatic power off

Code	8001-6	8001-15	8001-30
List Price (₹)	11120	11120	11120
Promotion Price (₹)	10342	10342	10342
Capacity	6kg	15kg	30kg
Minimum capacity	4g	10g	20g
Readout	0.2g	0.5g	1g
Resolution	30000d		
Operating temperature	-10~40°C		
Power	rechargeable battery (6V/3.2Ah) power adapter (12V/500mA)		
Dimensions of pan	263×204mm		

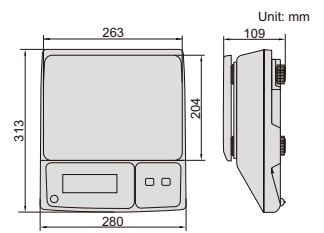
WEIGHING SCALES (OIML CERTIFICATE)



ATTENTION: NO DATA OUTPUT



8002-30M



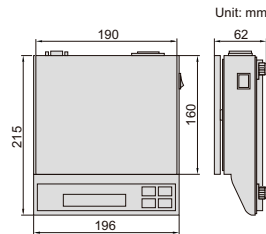
- ▶ LCD display, with backlight
- ▶ Zero-setting, subtracting tare value
- ▶ Overload alarm
- ▶ Automatic power off
- ▶ OIML certificate (No. 0200-NAWI-04601)

Code	8002-6M	8002-15M	8002-30M
List Price (₹)	11120	11120	11120
Promotion Price (₹)	10342	10342	10342
Capacity	3/6kg	6/15kg	15/30kg
Minimum capacity	20g	40g	100g
Readout	1g/2g	2g/5g	5g/10g
Resolution	2×3000e		
Operating temperature	-10~40°C		
Power	rechargeable battery (6V/3.2Ah) power adapter (12V/500mA)		
Dimensions of pan	263×204mm		

ELECTRONIC BALANCES

DATA OUTPUT

- ▶ Automatic zero when power on
- ▶ Unit: g (gram), ct (carat), ozt (troy ounce)
- ▶ Weighing, counting, taring
- ▶ Overload alarm
- ▶ Data output



8301-3000

Code	8301-300	8301-600	8301-1200	8301-3000	8301-6000
List Price (₹)	10927	15369	23287	10927	15369
Promotion Price (₹)	10162	14293	21657	10162	14293
Maximum weighing	300g	600g	1200g	3000g	6000g
Minimum weighing	0.2g	0.2g	0.2g	2g	2g
Resolution	0.01g	0.01g	0.01g	0.1g	0.1g
Pan size	Ø135mm			190×160mm	
Verification scale interval	10d				
Working temperature	0~40°C				
Working humidity	≤80% RH				
Power supply	power adapter				



calibration weight
(included in 8301-300,
8301-600 and 8301-1200)



windshield
(included in 8301-300,
8301-600 and 8301-1200)

OPTIONAL ACCESSORY

RS232 CABLE 8301-CABLE

COUNTING SCALES

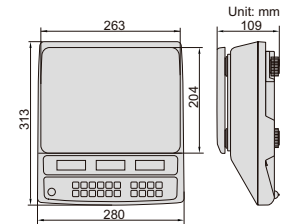
- ▶ LCD display, with backlight
- ▶ Zero-setting, subtracting tare value, counting, accumulation, checking alarm
- ▶ Overload alarm

ATTENTION:
NO DATA OUTPUT

Code	8101-6	8101-15	8101-30
List Price (₹)	11120	11120	11120
Promotion Price (₹)	10342	10342	10342
Capacity	6kg	15kg	30kg
Minimum capacity	4g	10g	20g
Readout	0.2g	0.5g	1g
Resolution	3000d		
Operating temperature	-10~40°C		
Power	rechargeable battery (6V/3.2Ah) power adapter (12V/500mA)		
Dimensions of pan	263×204mm		

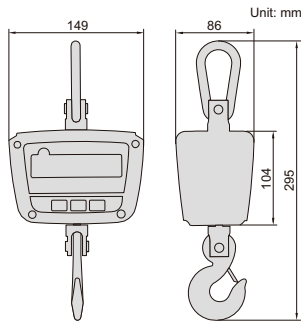


8101-30



ELECTRONIC CRANE SCALES

IP65
WATERPROOF



8201-150KG



Remote controller
(included)

- ▶ Dust/waterproof level: IP65
- ▶ LED display, remote control
- ▶ Low voltage indicator
- ▶ Unit: kg, lb
- ▶ Automatic power off, overload alarm
- ▶ 360° safe rotary hook and shackle
- ▶ Aluminum alloy die casting case with high strength

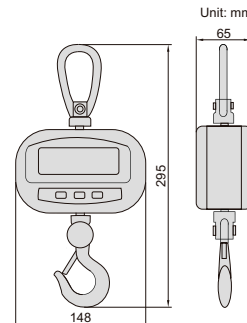
SPECIFICATION

Code	8201-50KG	8201-150KG	8201-300KG
List Price (₹)	13067	13067	13067
Promotion Price (₹)	12152	12152	12152
Maximum capacity	50kg	150kg	300kg
Minimum capacity	0.4kg	1.0kg	2.0kg
Resolution	0.02kg/0.01kg	0.05kg/0.02kg	0.10kg/0.05kg
Operating temperature	-10~40°C		
Operating humidity	30%~90% RH		
Overload alarm	100%F.S.+9e		
Maximum safe load	125%F.S.		
Limited overload	400%F.S.		
Power supply	rechargeable battery 6V/3Ah (for 40 hours working)		
Stable reading time	≤8s		

STANDARD DELIVERY

Main unit	1 pc
Remote controller	1 pc
Battery charger	1 pc

ELECTRONIC CRANE SCALES (ECONOMIC TYPE)



8202-150KG



Remote controller
(included)

- ▶ LED display, remote control
- ▶ Low voltage indicator
- ▶ Unit: kg, lb
- ▶ Automatic power off
- ▶ Overload alarm
- ▶ 360° safe rotary hook and shackle
- ▶ Plastic case

SPECIFICATION

Code	8202-50KG	8202-150KG	8202-300KG
List Price (₹)	7431	7431	7431
Promotion Price (₹)	6911	6911	6911
Maximum capacity	50kg	150kg	300kg
Minimum capacity	0.4kg	1.0kg	2.0kg
Resolution	0.02kg/0.01kg	0.05kg/0.02kg	0.10kg/0.05kg
Operating temperature	-10~40°C		
Operating humidity	30%~90% RH		
Overload alarm	100%F.S.+9e		
Maximum safe load	125%F.S.		
Limited overload	400%F.S.		
Power supply	4×1.5V AA batteries (for 40 hours working)		
Stable reading time	≤8s		

STANDARD DELIVERY

Main unit	1 pc
Remote controller	1 pc

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Operation Manual	http://www.insize.com/login1.php
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Verify Genuineness	http://www.insize.com/verify.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 type' 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.
- Refer to Website <http://www.insizeindia.in> for Indiamart promotion.

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.



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