Thickness Gauge

Dial Indicator is used by being fitted to jig etc., while thickness gauge is held with our hand. Holding work piece between stylus and anvil, read the value directly. Contact point moves to upward when lifting lever is pressed down, and contact point returns to "zero" when it is released. As operation is easy, it can measure for a short period compared with micrometer. There are 2 kinds of Dial 0.01mm, 0.001mm for both analog and digital. The stroke depends on size of work piece and a model is available to measure maximum thickness up to 50mm. This can be used for various thickness measurement such as paper, hair, rubber plate metal tube small molded components.

Dial Thickness Gauge

- · Suitable for measuring thickness and diameter of metal, lens, rubber, plastic, paper, felt, hair, pearl etc. in actual dimension.
- Ceramic contact point and anvil feature are superior for anti-abrasion and rust. In addition, there are steel FE type and AT type which rarely adheres with adhesion tape.
- · As to shape of contact point and anvil, there are standard type and other various kinds.
- · Measuring force of standard type is not more than 2.5N as final pressure, low measuring force type of which final pressure is about 0.4N (about 40gf) is also available.



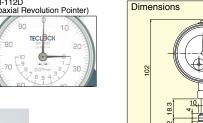
All SM series equips ceramic contact point and anvils.

SM-112 Standard type Graduation 0.01mm Measuring Range 10mm



1.17mm reading example







Measuring metal work piece. The photo shows 5.98mm.

Specifications SM-112 Series

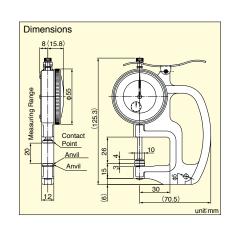
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
SM-112	0.01	10	±15	5	0-50-100	2.5 or less	φ 10 Flat	φ 10 Flat	150
SM-112LS	0.01	10	±15	_	0-50-100	2.5 or less	φ 3.2 Ball	φ 10 Flat	150
SM-112LW	0.01	10	±15	_	0-50-100	2.5 or less	φ 3.2 Ball	φ 3.2 Ball	150
SM-112-3A	0.01	10	±15	5	0-50-100	2.5 or less	φ 5 Flat	φ 5 Flat	150
SM-112-80g	0.01	10	±15	5	0-50-100	Stop Point Measuring Forced 0.8±0.05	φ 10 Flat	φ 10 Flat	150
SM-112P	0.01	10	±15	5	0-0.5-1	2.5 or less	φ 10 Flat	φ 10 Flat	150
SM-112FE	0.01	10	±15	5	0-50-100	2.5 or less	φ 10 Flat	φ 10 Flat	150
SM-112AT	0.01	10	±15	8	0-50-100	0.8 or less	φ 10 Flat	φ 10 Flat	150
SM-112D	0.01	10	±15	5	0-50-100	2.5 or less	φ 10 Flat	φ 10 Flat	155
			·		·	10 114 04 5			- to DOC

LS, LW, 3A For more information please refer to P26.

unit:mm



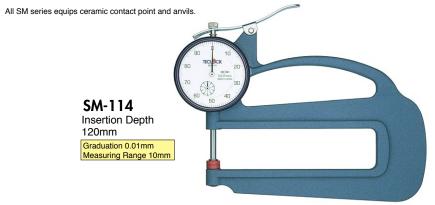
SM-528 Measurement of up to 20mm thick Graduation 0.01mm Measuring Range 20mm

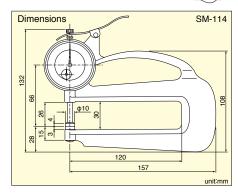


Specifications	SM-528 Series
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Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
SM-528	0.01	20	±20	5	0-50-100	3.5 or less	φ 10 Flat	φ 10 Flat	180
SM-528LS	0.01	20	±20	_	0-50-100	3.5 or less	φ 3.2 Ball	φ 10 Flat	180
SM-528LW	0.01	20	±20	_	0-50-100	3.5 or less	φ 3.2 Ball	φ 3.2 Ball	180
SM-528-3A	0.01	20	±20	5	0-50-100	3.5 or less	φ 5 Flat	φ 5 Flat	180
SM-528-80g	0.01	20	±20	5	0-50-100	Stop Point Measuring Forced 0.8±0.05	φ 10 Flat	φ 10 Flat	180
SM-528FE	0.01	20	±20	5	0-50-100	3.5 or less	φ 10 Flat	φ 10 Flat	180

LS, LW, 3A For more information please refer to P26

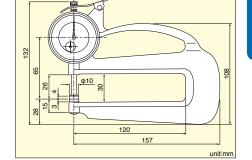






SM-124 Medium size Thickness Gauge Graduation 0.01mm

Measuring Range 20mm



SM-124

Dimensions

SM-125
Large size Thickness
Gauge
Graduation 0.01mm

Graduation 0.01mm Measuring Range 20mm





Dimensions SM-125

Specifications

SM-114 Series

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
SM-114	0.01	10	±15	5	0-50-100	2.5 or less	φ 10 Flat	φ 10 Flat	250
SM-114LS	0.01	10	±15	_	0-50-100	2.5 or less	φ 3.2 Ball	φ 10 Flat	250
SM-114LW	0.01	10	±15	_	0-50-100	2.5 or less	φ 3.2 Ball	φ 3.2 Ball	250
SM-114P	0.01	10	±15	5	0-0.5-1	2.5 or less	φ 10 Flat	φ 10 Flat	250

LS, LW, 3A For more information please refer to P26.

SM-124 Series

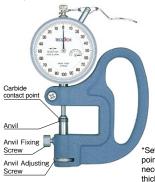
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
SM-124	0.01	20	±20	5	0-50-100	3.5 or less	φ 10 Flat	φ 10 Flat	250
SM-124LS	0.01	20	±20	_	0-50-100	3.5 or less	φ 3.2 Ball	φ 10 Flat	250
SM-124LW	0.01	20	±20	_	0-50-100	3.5 or less	φ 3.2 Ball	φ 3.2 Ball	250

LS, LW, 3A For more information please refer to P26.

SM-125 Series

0111 120 001100									
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
SM-125	0.01	20	±20	5	0-50-100	3.5 or less	φ 10 Flat	φ 10 Flat	625
SM-125LS	0.01	20	±20	_	0-50-100	3.5 or less	φ 3.2 Ball	φ 10 Flat	625
SM-125LW	0.01	20	±20	_	0-50-100	3.5 or less	φ 3.2 Ball	φ 3.2 Ball	625

LS, LW, 3A For more information please refer to P26.



SM-1201

Symmetrical Dial

Graduation 0.001mm Measuring Range 10mm Indication Range 1mm (Lifting Anvil)

Contact Point, Anvil =Solid Carbide

*Setting up standard point with block gauge is necessary to measure thickness 1mm and over.



SM-1201L

Continuous Dial

Graduation 0.001mm Measuring Range 1mm

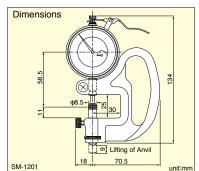
Contact Point, Anvil = Ceramic

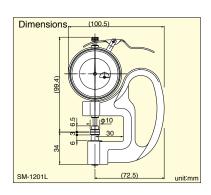


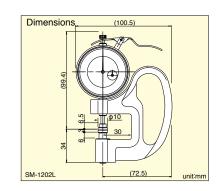
SM-1202L

Graduation 0.001mm Measuring Range 2mm

Contact Point, Anvil





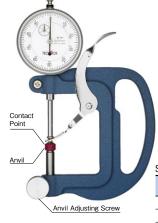


Specifications SM-1201 Series

	Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
•	SM-1201	0.001	10	±3	3	0-100-0	1.5 or less	ϕ 8.5 Flat (Carbide)	ϕ 8.5 Flat (Carbide)	440
•	SM-1201LS	0.001	10	±3	_	0-100-0	1.5 or less	ϕ 3 Ball (Carbide)	φ 8.5 Flat (Carbide)	440
•	SM-1201LW	0.001	10	±3	_	0-100-0	1.5 or less	ϕ 3 Ball (Carbide)	arphi 3 Ball (Carbide)	440
	SM-1201L	0.001	1(3)*	±3	3	0-100-200	1.5 or less	φ 10 Flat (Ceramic)	ϕ 10 Flat (Ceramic)	420
	SM-1202L	0.001	2(2)*	±5	3	0-100-200	1.5 or less	φ 10 Flat (Ceramic)	φ 10 Flat (Ceramic)	420

* () is a free-stroke.

LS, LW, 3A For more information please refer to P26.



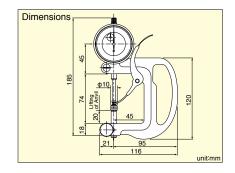
SM-130

By the lifting of the anvil, can be measured 0~50mm

Graduation 0.01mm Measuring Range 50mm Indication Range 30mm (Lifting Anvil)

Upward Shockproof Contact Point, Anvil = Ceramic *Setting up standard point with block gauge is necessary to measure thickness 30mm and over.

Specifications SM-130 Series



Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
SM-130	0.01	50	±25	5	±0-50-100	2.2 or less	φ 10 Flat	φ 10 Flat	620
SM-130LS	0.01	50	±25	_	±0-50-100	2.2 or less	φ 3.2 Ball	φ 10 Flat	620
SM-130LW	0.01	50	±25	_	±0-50-100	2.2 or less	φ 3.2 Ball	φ 3.2 Ball	620

LS, LW, 3A For more information please refer to P26.

Dial Swift Gauge

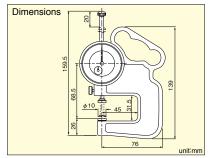


SFM-627

Graduation 0.01mm Measuring Range 20mm

Upward Shockproof Contact Point, Anvil = Ceramic

Cassifications



Specifications											
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)			
SFM-627	0.01	20	±20	5	0-50-100	φ 10 Flat	φ 10 Flat	240			

Dial Pipe Gauge



Dimensions:TPM-116

TPM-116

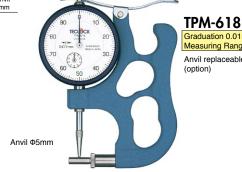
*Suitable for measuring thickness of pipe and curved plate etc. Radial thickness can be measured up to minimum diameter φ 3.5mm.

Graduation 0.01mm Measuring Range 10mm

Upward Shockproof Anvil fixed type Edge of point \$\phi\$ 2.5mm Flat



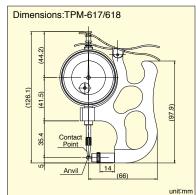




TPM-617

Graduation 0.01mm Measuring Range 10mm

Anvil replaceable type (Φ0.5,Φ1.0,Φ2.0mm)



Graduation 0.01mm Measuring Range 10mm Anvil replaceable type

(option)

Relation between Anvil diameter

and work inserting depth										
Anvil dia.	Depth	Anvil dia.	Depth							
ϕ 0.5	2mm	φ5.0	8mm							
φ1.0	3mm	φ7.0	8mm							
φ2.0	3mm	φ10.0	8mm							

unit:mm

The special order if the following hole diameter ϕ 3.5mm.

Specifications

Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
TPM-116	0.01	10	±15	-	0-50-100	2.3 or less	φ2.5 Flat	φ 3.5 Ball	145
TPM-617	0.01	10	±15	-	0-50-100	1.5 or less	φ1.6 Ball	φ 0.5, 1.0, 2.0 replaceable	190
TPM-618	0.01	10	±15	-	0-50-100	1.5 or less	φ1.6 Ball	φ 5.0 (φ 7.0, 10.0 replaceable)*	195

*Anvils of ϕ 7 and ϕ 10.0 are optional.

Digital Pipe Gauge



All SM series equips ceramic contact point and anvils.



TPD-618J

Graduation 0.01mm Measuring Range 12mm Anvil replaceable type (option)

Relation between Anvil diameter and Work inserting depth

	and Work in	sering depi	.11
Anvil dia.	Depth	Anvil dia.	Depth
φ0.5	2mm	φ5.0	8mm
φ1.0	3mm	φ7.0	8mm
φ2.0	3mm	φ10.0	8mm
			unit:mm

Dimensions:TPD-617J/618J

opeonications										
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)		
TPD-617J	0.01	12	±20	_	1.5 or less	φ 1.6 Ball	arphi 0.5, 1.0, 2.0 replaceable	255		
TPD-618J	0.01	12	±20	_	1.5 or less	φ 1.6 Ball	φ 5.0 (φ 7.0, 10.0 replaceable)*	260		

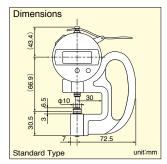
*Anvils of ϕ 7 and ϕ 10.0 are optional.

Conventional Digital Thickness Gauge

· Digital display for error-free reading



SMD-540S₂ Resolution 0.01mm



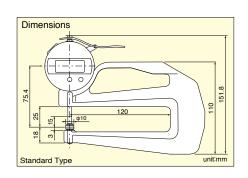
• Measurement force cannot be changed. Low measurement force is required, check a standard type.

Specifications

Model	Resolution (mm)	Measuring Range (mm)	Accuracy* (µm)	Parallelism (µm)	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
SMD-540S ₂	0.01	12	±20	5	2.0 or less	φ 10 Flat	φ 10 Flat	250
SMD-540S ₂ -LS	0.01	12	±20	-	2.0 or less	φ 3.2 Ball	φ 10 Flat	250
SMD-540S ₂ -LW	0.01	12	±20	-	2.0 or less	φ 3.2 Ball	φ 3.2 Ball	250
SMD-540S ₂ -3A	0.01	12	±20	5	2.0 or less	φ 5 Flat	φ 5 Flat	250

LS, LW, 3A For more information please refer to P26. The quantizing error is not included.





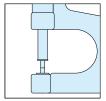
Specifications

Model	Resolution (mm)	Measuring Range (mm)	Accuracy* (µm)	Parallelism (µm)	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
SMD-550S2	0.01	12	±20	5	2.0 or less	φ 10 Flat	φ 10 Flat	400
SMD-550S ₂ -LS	0.01	12	±20	-	2.0 or less	φ 3.2 Ball	φ 10 Flat	400
SMD-550S2-LW	0.01	12	±20	-	2.0 or less	ф 3.2 Ball	φ 3.2 Ball	400
SMD-550S2-3A	0.01	12	±20	5	2.0 or less	φ 5 Flat	φ 5 Flat	400

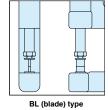
LS, LW, 3A For more information please refer to P26. * The quantizing error is not included.

Special order product of Dial Thickness Gauge / Digital Thickness Gauge

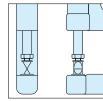
- 1. Instruct dimension and shape of anvil and contact point by referring to the figure in the right and P26.
- 2. Instruct necessary measuring range.
- 3. In case that there is direction like blade type, instruct "parallel" or "right angle" based on graduation face as front face standard.
- 4. In case of requesting shape of anvil and contact point rather than figure in the right or change of measuring force, please contact our nearest branch for you.



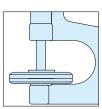
NE (needle) type This is top and bottom needle type(cylinder). Instruct diameter



This is top and bottom blade type(blade). Instruct width and thickness.



KN (knife edge) type This is top and bottom knife edge type. Instruct width and angle.



LD (large diameter flat) type This is top and bottom disc type(cylinder). Instruct diameter.

Standard Digital Thickness Gauge

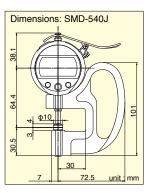
- 0.01mm and 0.001mm graduation are available.
- 0.001mm model which can measure up to 15mm thickness as maximum by lifting anvil.

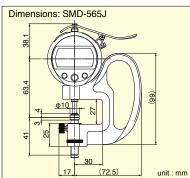


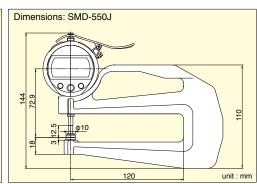


PRINTER (Option)

Printer for Digital Thickness Gauges Digital Mini-Printer SD-763P and connecting cable ZE-018. Refer to the details on page 52.







Specifications

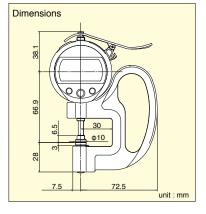
Model	Resolution (mm)	Measuring Range (mm) (): Indicating Range*1	Accuracy* ² (μm)	Parallelism (µm)	Measuring Force (N)	Contact Point Form / Anvil Form (mm)	Weight (g)
SMD-540J	0.01	12	±20	5	1.0 or less	φ 10 Flat	290
SMD-550J	0.01	12	±20	5	1.0 or less	φ 10 Flat	440
SMD-565J	0.001	15 (12)	±3	3	1.5 or less	φ 10 Flat	470

^{*1} Indicating value in () is a measuring range of digital sensor. *2 The quantizing error is not included.

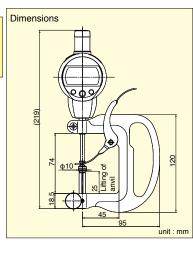
SMD-565J-L

Conversional type of Model : SMD-565J but without Anvil Adjustment Resolution 0.001mm Measuring Range 12mm









Specifications

Model	Resolution (mm)	Measuring Range (mm) (): Indicating Range*1	Accuracy* ² (µm)	Parallelism (µm)	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)	
SMD-565J-L	0.001	12	±3	3	1.5 or less	φ 10 Flat	φ 10 Flat	415	
SMD-130J	0.01	50 (25)	±20	5	2.0 or less	φ 10 Flat	φ 10 Flat	610	

^{*1} Indicating value in () is a measuring range of digital sensor. *2 The quantizing error is not included.

Constant Pressured Thickness Measuring Instrument

Thickness measuring method for tested piece for physical test such as rubber, heat plasticity Elastomer, plastic film, cloth, textile, leathers are ruled in detail by JIS or ISO. PG/PF series are digital type thickness measuring instrument in compliance with these major standard.

Stand type (fixed type) and frame type (handy type) are widely used for test & research dept., quality control dept. and manufacturing dept.



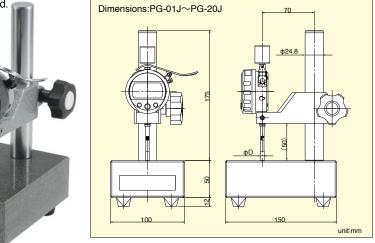
Features

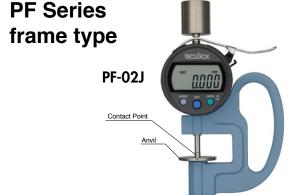
- Wide range of line-up complying with various standard of the field are available.
- High accuracy digital type with weight type for all the versions realizing stable static load, which is not got by analog type utilizing gears or springs.
- PG series uses micro-granite which is superior for abrasion resistance, chemical resistance, impact resistance in addition to high unstriated for measurable table. It can avoid scratches and stains for metal.
- Stainless steel is used for contact point and anvil (excluding partial model). Acid resistance, alkali proof, water resistance are improved.
- Power source is silver oxide batteries (SR-44) which is convenient to carry.
- This makes treating statistics of measured data possible with connected to optional printer SD-763P.
- Contact point and measuring pressure can be changed. (However, it is not equivalent to standard)
- Please refer to page 25 for specifications of each model.

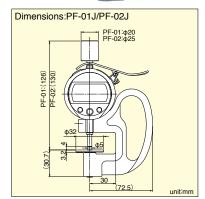
PG Series stand type PG-20J

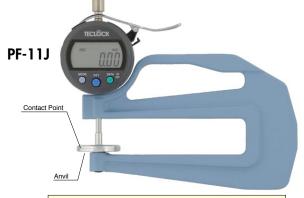
JIS K 6250 Method A

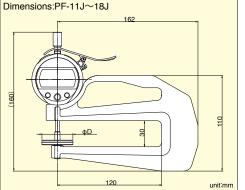
PG-20 is the thickness measuring instrument compliant with A Law for measuring thickness which is standardized in JIS K 6250 (ruled in physical test method general rule of rubber for vulcanized rubber and thermoplastic rubber.) This is sheet block compatible type which can measure both thickness of test piece hardness IRHD below 35 and over 35 by this one unit. Contact point is diameter 5mm and pressure can be changed by only attaching and detaching weights.







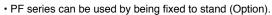




Specifications

Model		Reference Standard		Resolution	Measuring Range	Load (Measuring Force)	Contact Point	Measured Pressure
Stand-type	Frame-type	JIS	Measured Item	(Mm)	(Mm)	(ivieasuring Force)	Фd (Mm)	
PG-01J	PF-01J	K6732-1996	Poly Vinyl Chloride Films For Agriculture	0.001	12	0.8N (80gf) or less	φ5	
		K6783-1994	Ethylene / Vinyl Acetate Copolymer Films For			1.22±0.14mN		
PG-02J	PF-02J	K0703-1994	Agriculture	0.001	12	(125gf±15gf)	φ5	
FU=023	FF-023	Z1702-1994	Polyethylene Films For Packaging	0.001	12	1226±143mN	φυ	
		Z1709-1995	Heat Shrinkable Plastic Films For Packaging			(125gf±15gf)		
PG-11J	PF-11J	K6400-1997	Flexible Polyurethane Foam	0.01	12	0.363N (37gf)	φ35.7	0.363kPa (3.7gf/cm²)
PG-12J	PF-12J	K6301-1995	Vulcanized Rubber	0.01	12	0.785N (80gf)	φ5	
PG-13J	PF-13J	K6328-1999	Rubber Coated Fabrics	0.01	12	0.785N (80gf)	φ10	
- ru-100		K6250-2006	Rubber / For A Method (Less Than Irhd 35)	0.01				
PG-14J	PF-14J	L1086-2007	Fusible Interlining Fabrics (Non Woven Textile)	0.01	12	0.394N (40gf)	φ16	2kPa (20gf/cm²)
PG-15J	PF-15J	L1086-1999	Fusible Interlining Fabrics (Ordinary Textile)	0.01	12	2.35N (240gf)	φ11.3	23.5kPa (240gf/cm²)
		L1096-2007	Woven Fabrics (Ordinary Textile)	0.01			ψ11.5	20.011 a (2709/011)
		L1018-1999	Knitted Fabrics (Ordinary Knit)		12	0.343N (35gf)	φ25.2	
PG-16J	PF-16J		Fusible Interlining Fabrics (Ordinary Knitting	0.01				0.7kPa (7gf/cm ₂)
			Fabric)					
		L1096-1999	Woven Fabrics (Crinose Textile)			3.85±0.1N		
PG-17J	PF-17J	K6505-1995	Man-made Upper Material Of Shoes	0.01	12		φ10	49.03±1.177kPa
		K6550-1994	Leathers			(390gf±10gf)		(500±12gf/cm²)
PG-18J	PF-18J	K6250-2006	Rubber A Method (35 Irhd And Over)	0.01	13	0.431N (44±10gf)	φ5	(35 IRHD and over) 22±5kPa (2.24±0.51gf/mm²)
PO 00/			Rubber	0.04	10	0.196±0.038N (20±3.9gf)	.5	(Less than 35 IRHD) 10±2kPa (1.02±0.20gf/mm²)
PG-20J		K6250-2006	A Method For Both (Less Than 35 Irhd, 35 Irhd And Over)	0.01	13	0.431±0.098N (44±10gf)	φ5	(35 IRHD and over) 22±5kPa (2.24±0.51gf/mm²)

Aluminium alloy is used for material of contact point (including anvil) of PG-11J and PF-11J. Contact point for other model are all stainless steel. PG-13 and PF-13 can be also used for IRHD below 35 of JIS K 6250 A law.

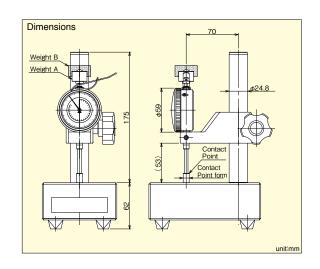




Constant pressured thickness measuring instrument of the plate-cylindrical shape test piece (JIS K 6250 method A)

Hardness 35 for IRHD below-or more of vulcanized rubber.





Specifications

Model	Less than 35 IRHD	35 IRHD and over	Graduatuon	Measuring Range	Contact Point Form	
PGM-20-5	10±2kPa(20gf)	22±5kPa(44gf)	0.01mm	25mm	φ5mm	
PGM-20-8	10±2kPa(51gf)	22±5kPa(113gf)	0.01mm	25mm	φ8mm	



Thickness Gauge Special Product List

Туре		Adaptation models	Graduation (mm)	Measuring Range (mm)	Contact Point (mm)	Anbil Form (mm)
LS type		SM-112LS	0.01	10	Ф3.2 Ball	Φ10 Flat
	Contact —	SM-528LS	0.01	20	Ф3.2 Ball	Ф10 Flat
Contact point is spherical, the anvil is flat.	Point S ϕ 3.2	SM-114LS	0.01	10	Ф3.2 Ball	Ф10 Flat
nat.	φ10 A	SM-124LS	0.01	20	Ф3.2 Ball	Φ10 Flat
	Anvil —	SM-130LS	0.01	50	Ф3.2 Ball Ф3.2 Ball	Φ10 Flat
	Alivii Alivii	SM-1201LS SMD-540S2-LS	0.001 0.01	10 12	Φ3.2 Ball	Ф10 Flat Ф10 Flat
		SMD-550S2-LS	0.01	12	Ф3.2 Ball	Φ10 Flat
LW type		SM-112LW	0.01	10	Ф3.2 Ball	Ф3.2 Ball
Contact point, anvil with spherical.	Contact —	SM-528LW	0.01	20	Ф3.2 Ball	Ф3.2 Ball
Contact point. arivii with spriencal.	Point S \(\phi \) 3.2	SM-114LW	0.01	10	Ф3.2 Ball	Ф3.2 Ball
	0.100	SM-124LW	0.01	20	Ф3.2 Ball	Ф3.2 Ball
	S φ 3.2 Anvil — Α	SM-130LW SM-1201LW	0.01 0.001	50 10	Ф3.2 Ball Ф3 Ball (Carbide)	Φ3.2 Ball Φ3 Ball (Carbide)
		SMD-540S2-LW	0.001	12	Φ3 Ball (Garbide)	Φ3 Ball (Garblue) Φ3.2 Ball
		SMD-550S2-LW	0.01	12	Ф3.2 Ball	Ф3.2 Ball
3A type Upper and lower both φ5	Contact ———————————————————————————————————	SM-112-3A	0.01	10	Ф5 Flat	Φ5 Flat
flat.	Point ϕ^5	SM-528-3A	0.01	20	Ф5 Flat	Φ5 Flat
	Anvil — Ni Anvil	SMD-540S2-3A	0.01	12	Φ5 Flat	Φ5 Flat
		SMD-550S2-3A	0.01	12	Ф5 Flat	Φ5 Flat
NE(needle) type		SM-112NE	0.01	10	Ф2 Flat	Ф2 Flat
Upper and lower with needle	Contact Point Point	SM-528NE	0.01	20	Ф2 Flat	Ф2 Flat
type.		SM-114NE	0.01	10	Ф2 Flat	Ф2 Flat
	Anvil	SMD-540S2-NE	0.01	12	Ф2 Flat	Ф2 Flat
		SMD-550S2-NE	0.01	12	Ф2 Flat	Ф2 Flat
BL(blade) type		SM-112BL	0.01	7	t0.5/w4	t0.5/w4
Upper and lower with blade type.	Contact Point 0.5	SM-528BL	0.01	17	t0.5/w4	t0.5/w4
type.		SM-114BL	0.01	7	t0.5/w4	t0.5/w4
5.7		SMD-540S2-BL	0.01	10	t0.5/w4	t0.5/w4
ail (SMD-550S2-BL	0.01	10	t0.5/w4	t0.5/w4
KN(blade) type		SM-112KN	0.01	7	t0.5/w4/30°	t0.5/w4/30°
Upper and lower with blade type.		SM-528KN	0.01	17	t0.5/w4/30°	t0.5/w4/30°
	Contact	SM-114KN	0.01	7	t0.5/w4/30°	t0.5/w4/30°
30° -	Anvil Anvil	SMD-540S2-KN	0.01	10	t0.5/w4/30°	t0.5/w4/30°
	<u></u>	SMD-550S2-KN	0.01	10	t0.5/w4/30°	t0.5/w4/30°
LD(flat disk) type		SM-112LD	0.01	10	φ30	φ30
Upper and lower with a flat disk type.		SM-528LD	0.01	20	φ30	φ30
Cont.	int	SM-114LD	0.01	10	φ30	φ30
φ30 A	nvil	SMD-540S2-LD	0.01	12	φ30	φ30
		SMD-550S2-LD	0.01	12	φ30	φ30

•SM is Analog Type, SMD is Digital type.

Parts & Accessories

