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.

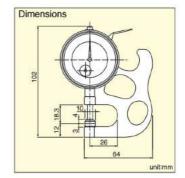


SM-112 Standard type Graduation 0.01mm Measuring Range 10mm



1,17mm reading example







Measuring metal work piece. The photo shows 5.98mm.

SM-1	12	Series
	SM-1	SM-112

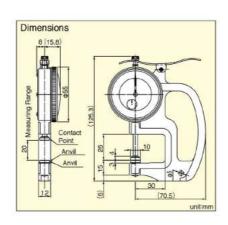
Weight (g)	Anvil Form (mm)	Contact Point Form (mm)	Measuring Force (N)	Dial Reading	Parallelism (µm)	Accuracy (µm)	Measuring Range (mm)	Graduation (mm)	Model
145	φ 10 Flat	φ 10 Flat	2.5 or less	0-50-100	5	±15	10	0.01	SM-112
145	φ 10 Flat	φ 3.2 Ball	2.5 or less	0-50-100		±15	10	0.01	SM-112LS
145	φ 3.2 Ball	φ 3.2 Ball	2.5 or less	0-50-100	0-0	±15	10	0.01	SM-112LW
145	φ5 Flat	φ 5 Flat	2.5 or less	0-50-100	5	±15	10	0.01	SM-112-3A
145	φ 10 Flat	φ 10 Flat	Stop Point Measuring Forced 0.8±0.05	0-50-100	5	±15	10	0.01	SM-112-80g
145	φ 10 Flat	φ 10 Flat	2.5 or less	0-0.5-1	5	±15	10	0.01	SM-112P
145	φ 10 Flat	φ 10 Flat	2.5 or less	0-50-100	5	±15	10	0.01	SM-112FE
145	φ 10 Flat	φ 10 Flat	0.8 or less	0-50-100	8	±15	10	0.01	SM-112AT
145	φ 10 Flat	φ 10 Flat	2.5 or less	0-50-100	5	±15	10	0.01	SM-112D

LS, LW, 3A For more information about the see (P**)



SM-528
Measurement of up to 20mm thick

Graduation 0.01mm Measuring Range 20mm



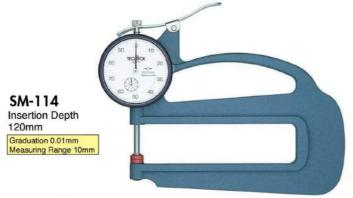
Charifications	CM EDR Carino
Specifications	SM-528 Series

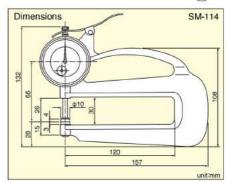
Model	Graduation (mm)	Measuring Range (mm)	Accuracy (µm)	Parallelism (µm)	Dial Reading	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weigh (g)
SM-528	0.01	20	±20	5	0-50-100	3.5 or less	φ 10 Flat	φ 10 Flat	200
SM-528LS	0.01	20	±20	-	0-50-100	3.5 or less	φ 3.2 Ball	φ 10 Flat	200
SM-528LW	0.01	20	±20	1:-1:	0-50-100	3.5 or less	φ 3.2 Ball	φ 3.2 Ball	200
SM-528-3A	0.01	20	±20	5	0-50-100	3.5 or less	φ 5 Flat	φ 5 Flat	200
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	200
SM-528FE	0.01	20	±20	5	0-50-100	3.5 or less	φ 10 Flat	φ 10 Flat	200

LS, LW, 3A For more information about the see (P**)



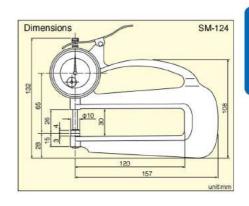








SM-124 Medium size Thickness Gauge Graduation 0.01mm Measuring Range 20mm

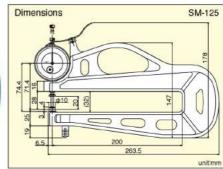




Graduation 0.01mm Measuring Range 20mm







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	270
SM-114LS	0.01	10	±15	-	0-50-100	2.5 or less	φ 3.2 Ball	φ 10 Flat	270
SM-114LW	0.01	10	±15	S 	0-50-100	2.5 or less	φ 3.2 Ball	φ 3.2 Ball	270
SM-114P	0.01	10	±15	5	0-0.5-1	2.5 or less	φ 10 Flat	φ 10 Flat	270

LS, LW, 3A For more information about the see (P**)

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	270
SM-124LS	0.01	20	±20	-	0-50-100	3.5 or less	φ 3.2 Ball	φ 10 Flat	270
SM-124LW	0.01	20	±20	(-)	0-50-100	3.5 or less	φ 3.2 Ball	φ 3.2 Ball	270

LS, LW, 3A For more information about the see (P**)

SM-125 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-125	0.01	20	±20	5	0-50-100	3.5 or less	φ 10 Flat	φ 10 Flat	440
SM-125LS	0.01	20	±20	-	0-50-100	3.5 or less	φ 3.2 Ball	φ 10 Flat	440
SM-125LW	0.01	20	±20	-	0-50-100	3.5 or less	φ 3.2 Ball	φ 3.2 Ball	440

LS, LW, 3A For more information about the see (P**)







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

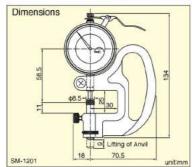
Contact Point, Anvil

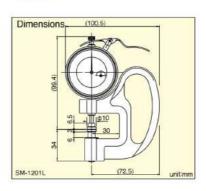


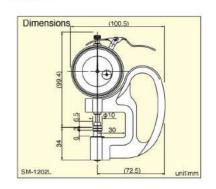
SM-1202L

Graduation 0.001mm Measuring Range 2mm

Contact Point, Anvil = Ceramic





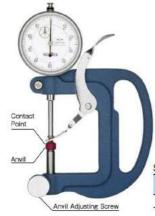


Specifications SM-1201 Series

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)	φ 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 For more information about the see (P**)



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. Dimensions Spanning S

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 For more information about the see (P**)

Dial Swift Gauge

Push top point down and nip workpiece for measurement.

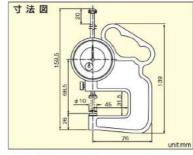


SFM-627

Graduation 0.01mm Measuring Range 20mm

Upward Shockproof Contact Point, Anvil = Ceramic

Cassifications



- 3	Specifications	V				o. 17			V
	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

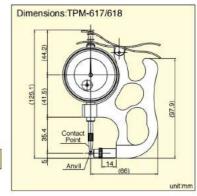
Edge of point \$\phi 2.5mm Flat





TPM-617

Graduation 0.01mm Measuring Range 10mm Anvil replaceable type



TPM-618

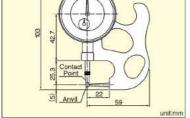
Graduation 0.01mm Measuring Range 10mm Anvil replaceable type

Anvil replaceable type (option)

Relation between Anvil diameter and Work inserting depth

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



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	160
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 \$\phi7\$ and \$\phi10.0\$ are optional.

Digital Pipe Gauge



TPD-617J

Graduation 0.01mm

Measuring Range 12mm



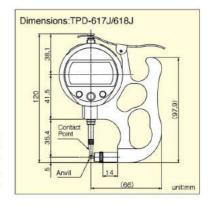
TPD-618J

Graduation 0.01mm Measuring Range 12mm

Relation between Anvil diameter

Anvil dia.	Depth	Anvil dia.	Depth
Ф0.5	2mm	φ5.0	8mm
φ1.0	3mm	φ7.0	8mm
φ2.0	3mm	φ10.0	8mm

unit:mm



Specifications

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	φ 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 \$\phi7\$ and \$\phi10.0\$ are optional.

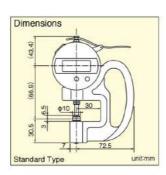


Conventional Digital Thickness Gauge

· Digital display for error-free reading



SMD-540S2 Resolution 0.01mm Measuring Range 12mm



Specifications

Model	Resolution (mm)	Measuring Range (mm)	Accuracy* (μm)	Parallelism (µm)	Measuring Force (N)	Contact Point Form (mm)	Anvil Form (mm)	Weight (g)
SMD-540S2	0.01	12	±20	5	2.0 or less	φ 10 Flat	φ 10 Flat	250
SMD-540S2-LS	0.01	12	±20	-	2.0 or less	ф 3.2 Ball	φ 10 Flat	250
SMD-540S2-LW	0.01	12	±20	-	2.0 or less	φ 3.2 Ball	φ 3.2 Ball	250
SMD-540S2-3A	0.01	12	±20	5	2.0 or less	φ 5 Flat	φ 5 Flat	250

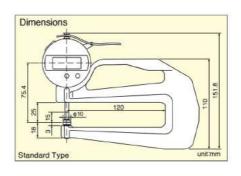
LS, LW, 3A For more information about the see (P**)

* The quantizing error is not included.



SMD-550S2

Resolution 0.01mm Measuring Range 12mm



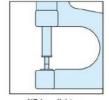
Specifications

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-550S2-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	φ 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

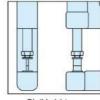
LS, LW, 3A For more information about the see (P**) $\,$ * The quantizing error is not included.

Special order product of Dial Thickness Gauge / Digital Thickness Gauge

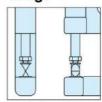
- Instruct dimension and shape of anvil and contact point by referring to the figure in the right and P46.
- 2. Instruct necessary measuring range.
- In case that there is direction like blade type, instruct "parallel" or "right angle" based on graduation face as front face standard.
- In case of requesting shape of anvil and contact point rather than figure in the right or change of measuring force, please contact our nearest branch for you.



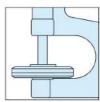
This is top and bottom needle type(cylinder). Instruct diameter



BL (blade) type
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.



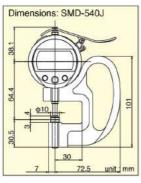
Standard Digital Thickness Gauge

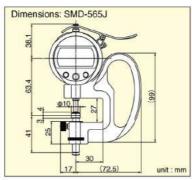
- 0.01mm and 0.001mm graduation are available.
- 0.001mm model which can measure up to 15mm thickness as maximum by lifting anvil.

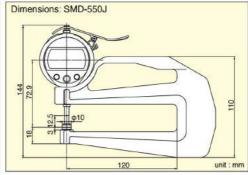




PRINTER (Option)
Printer for Digital Thickness Gauges
Digital Mini-Printer SD-763P and
connecting cable ZE-018.







Specifications

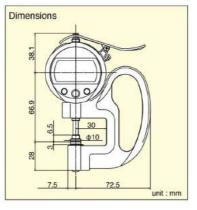
Model	Resolution (mm)	Measuring Range (mm) (): Indicating Range*1	Accuracy*2 (μm)	Parallelism (µm)	Measuring Force (N)	Contact Point Form / Anvil Form (mm)	Weight (g)
SMD-540J	0.01	12	±20	5	1.0 or less	φ 10 Flat	290
SMD-550J	0.01	12	±20	5	1.0 or less	φ 10 Flat	440
SMD-565J	0.001	15 (12)	±3	3	1.5 or less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

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

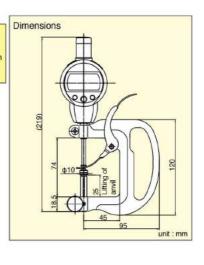
SMD-565J-L

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









Specifications

opecinications	7.0	9.0				22	,	
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	410
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. *7 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.



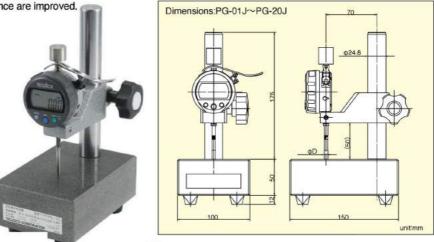
Features

- 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 the next page for specifications of each model.

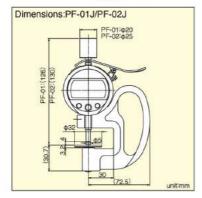
PG Series stand type

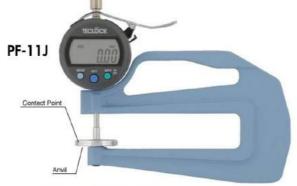
JIS K 6250 Method A

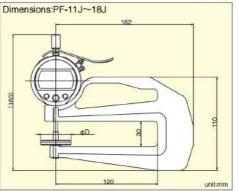
PG-20 is the thickness measuring instrument compliant with A Law for measuring thickness which is standardized in JIS K 6250 (ruled in physical test method general rule of rubber for vulcanized rubber and thermoplastic rubber.) This is sheet block compatible type which can measure both thickness of test 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.











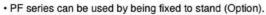




Specifications

Model			Reference Standard		Measuring Load Range (Measuring Force)	1100	Contact Point	Measured Pressure
Stand-type	Frame-type	JIS	Measured Item	(Mm)	(Mm)	(weasuring roice)	Фd (Mm)	
PG-01J	PF-01J	K6732-1996	Poly Vinyl Chloride Films For Agriculture	0.001	12	0.8N (80gf) or less	φ5	
DO 001	i-02J PF-02J	K6783-1994 Ethylene / Vinyl Acetate Copolymer Films For Agriculture		12	1.22±0.14mN (125gf±15gf)	. e		
PG-UZJ		Z1702-1994	Polyethylene Films For Packaging	0.001	12	1226±143mN	φ5	
		Z1709-1995	Heat Shrinkable Plastic Films For Packaging			(125gf±15gf)		
PG-11J	PF-11J	K6400-1987	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)	ф5	
DO 40.1	DE 401	K6328-1999	Rubber Coated Fabrics	0.04	40	0.705N (90cd)		
PG-13J	PF-13J	K6250-2016	Rubber / For A Method (Less Than Irhd 35)	0.01	12	0.785N (80gf)	φ10	
PG-14J	PF-14J	L1086-2007	Fusible Interlining Fabrics (Non Woven Textile)	0.01	12	0.394N (40gf)	φ16	2kPa (20gf/cm²)
		L1086-1999	Fusible Interlining Fabrics (Ordinary Textile)	0.04		2,35N (240gf)		
PG-15J	PF-15J	L1096-2007	Woven Fabrics (Ordinary Textile)	0.01	12	2.33N (24UyI)	φ11.3	23.5kPa (240gf/cm²)
		L1018-1999	Knitted Fabrics (Ordinary Knit)					
PG-16J	PF-16J	L1086-2007	Fusible Interlining Fabrics (Ordinary Knitting Fabric)	0.01	12	0.343N (35gf)	φ25.2	0.7kPa (7gf/cm ₁)
		L1096-1999	Woven Fabrics (Crinose Textile)					
		K6505-1995	Man-made Upper Material Of Shoes	225	200	3.85±0.1N		49.03±1.177kPa
PG-17J	PF-17J	K6550-1994	Leathers	0.01	12	(390gf±10gf)	φ10	(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)
PG-20J	-	K6250-2016	Rubber A Method For Both (Less Than 35 Irind, 35	0.01	13	0.196±0.038N (20±3.9gf)	45	(Less than 35 IRHD) 10±2kPa (1.02±0.20gf/mm²)
ru-20J		N0200-2006	Irhd And Over)	0.01	13	0.431±0.098N (44±10gf)	φ5	(35 IRHD and over) 22±5kPa (2,24±0,51gf/mm/)

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.

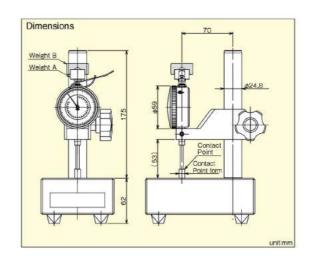




Constant pressured thickness measuring instrument of the plate-cylindrical shape test piece (JIS K 6250 method A)

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)	0.01 mm	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	Ф10 Flat
Contact point is spherical, the anvil is	SM-528LS	0.01	20	Ф3.2 Ball	Φ10 Flat
at. Sø3.2	SM-114LS SM-124LS	0.01	10 20	Ф3.2 Ball Ф3.2 Ball	Φ10 Flat Φ10 Flat
¢10	SM-130LS	0.01	50	Ф3.2 Ball	Φ10 Flat
Anvil —	SM-1201LS	0.001	10	Ф3.2 Ball	Φ10 Flat
	SMD-540S2-LS	0.01	12	Ф3.2 Ball	Φ10 Flat
	SMD-550S2-LS SM-112LW	0.01	12 10	Ф3.2 Ball Ф3.2 Ball	Φ10 Flat Φ3.2 Ball
.W type	SM-528LW	0.01	20	Ф3.2 Ball	Ф3.2 Ball
ontact point. anvil with spherical.	SM-114LW	0.01	10	Ф3.2 Ball	Ф3.2 Ball
	SM-124LW	0.01	20	Ф3.2 Ball	Ф3.2 Ball
Anvil — A	SM-130LW	0.01	50	Ф3.2 Ball	Ф3.2 Ball
AINI	SM-1201LW SMD-540S2-LW	0.001	10 12	Φ3 Ball (Carbide) Φ3.2 Ball	ФЗ Ball (Carbide ФЗ.2 Ball
	SMD-550S2-LW	0.01	12	Ф3.2 Ball	Ф3.2 Ball
A type	SM-112-3A	0.01	10	Ф5 Flat	Φ5 Flat
Ipper and lower both φ5 Contact Point at.	SM-528-3A	0.01	20	Φ5 Flat	Φ5 Flat
Anvil —	SMD-540S2-3A	0.01	12	Ф5 Flat	Φ5 Flat
	SMD-550S2-3A	0.01	12	Ф5 Flat	Ф5 Flat
IE(needle) type	SM-112NE	0.01	10	Ф2 Flat	Φ2 Flat
pper and lower with needle	SM-528NE	0.01	20	Φ2 Flat	Φ2 Flat
/pe. Contaci Point 92	SM-114NE	0.01	10	Ф2 Flat	Φ2 Flat
Anvil	SMD-540S2-NE	0.01	12	Φ2 Flat	Φ2 Flat
	SMD-550S2-NE	0.01	12	Ф2 Flat	Φ2 Flat
BL(blade) type	SM-112BL	0.01	7	t0.5/w4	t0.5/w4
pper and lower with blade	SM-528BL	0.01	17	t0.5/w4	t0.5/w4
/pe. Contact Point	SM-114BL	0.01	7	t0.5/w4	t0.5/w4
0.5 Anvil	SMD-540S2-BL	0.01	10	t0.5/w4	t0.5/w4
25	SMD-550S2-BL	0.01	10	t0.5/w4	t0.5/w4
(N(blade) type	SM-112KN	0.01	7	t0.5/w4/30°	t0.5/w4/30°
pper 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° 0.5	SMD-540S2-KN	0.01	10	t0.5/w4/30°	t0.5/w4/30°
24	SMD-550S2-KN	0.01	10	t0.5/w4/30°	t0.5/w4/30°
D(flat disk) type	SM-112LD	0.01	10	φ30	φ30
opper and lower with a flat disk	SM-528LD	0.01	20	φ30	φ30
/pe.	SM-114LD	0.01	10	φ30	φ30
\$30 - The state of	SMD-540S2-LD	0.01	12	φ30	φ30
Anvil	SMD-550S2-LD	0.01	12	φ30	ф30

[•]SM is Analog Type, SMD is Digital type.

Parts & Accessories

