

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

SM-112P
(Direct Reading Graduation)

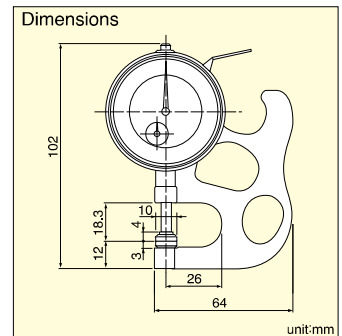


1.17mm reading example

SM-112D
(Coaxial Revolution Pointer)



Measuring metal work piece.
The photo shows 5.98mm.



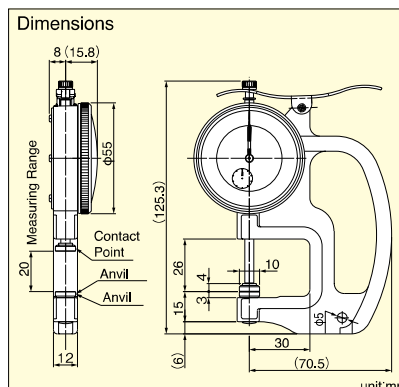
Specifications **SM-112 Series**

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	145
SM-112LS	0.01	10	±15	—	0-50-100	2.5 or less	φ 3.2 Ball	φ 10 Flat	145
SM-112LW	0.01	10	±15	—	0-50-100	2.5 or less	φ 3.2 Ball	φ 3.2 Ball	145
SM-112-3A	0.01	10	±15	5	0-50-100	2.5 or less	φ 5 Flat	φ 5 Flat	145
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	145
SM-112P	0.01	10	±15	5	0-0.5-1	2.5 or less	φ 10 Flat	φ 10 Flat	145
SM-112FE	0.01	10	±15	5	0-50-100	2.5 or less	φ 10 Flat	φ 10 Flat	145
SM-112AT	0.01	10	±15	8	0-50-100	0.8 or less	φ 10 Flat	φ 10 Flat	145
SM-112D	0.01	10	±15	5	0-50-100	2.5 or less	φ 10 Flat	φ 10 Flat	145

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



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



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)	Weight (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	—	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**)