

Standard Dial Gauges

1

0.01mm

Dial Gauges are widely used manufacturing plants.

- The stem, made of SK quench hardened with strength, is malfunction-free due to fastening.
- The shock-proof mechanism prevents gears from damage due to shocks arisen by abruptly pushing up the spindle.
- The turning section of the outer frame sealed by the O-ring and the back inside sealed by the packing are waterproof and dust-proof in construction.
- The back is increased in strength by four screws, and the lug can be turned 90 degrees in the installation way.

<HG>

High Precision Type



107-HG

Graduation: 0.01mm
Range: 10mm

- Indication error $\pm 10\mu\text{m}$
- Retrace error $4\mu\text{m}$
- Includes accuracy certification
- Lug back



107-DX

Graduation: 0.01mm
Range: 10mm

- Durable type (Spindle $\phi 5\text{mm}$)
- Lug back



107

Graduation: 0.01mm
Range: 10mm

- Lug back



107F

Graduation: 0.01mm
Range: 10mm

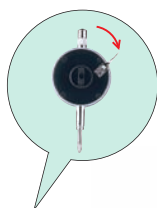
- Flat back



107-SWA

Graduation: 0.01mm
Range: 10mm

- Oil-proof type
- Flat crystal
- Contact point (X-2A)
- Lug back



107-BL

Graduation: 0.01mm
Range: 10mm

- Spindle pull-up back lever
- Lug back



107F-RE

Graduation: 0.01mm
Range: 10mm

- Spindle pull-up release (RE-1) 280 mm long
- Flat back



107-LL

Graduation: 0.01mm
Range: 10mm

- Spindle lifting lever (LL-1)
- Lug back

Standard Dial Gauges



107W

Graduation: 0.01mm
Range: 10mm

- Two center pointers
(The hand is long enough to facilitate easy reading of measured values.)
- Lug back



107F-T

Graduation: 0.01mm
Range: 10mm

- Reversed dial
- Flat back



107-E

Graduation: 0.01mm
Range: 10mm

- Low-measuring force
(initial pressure 0.4N)
- Lug back



17

Graduation: 0.01mm
Range: 1mm

- Balanced dial
- Lug back



57-SWA

Graduation: 0.01mm
Range: 5mm

- Oil-proof type
- Flat crystal
- Contact point
(X-2)
- Lug back



57

Graduation: 0.01mm
Range: 5mm

- Lug back



57F

Graduation: 0.01mm
Range: 5mm

- Flat back



57B

Graduation: 0.01mm
Range: 5mm

- Balanced dial
- Flat back

Specifications

(unit: μm)

Model	Graduation (mm)	Range (mm)	Reading	Indication error					Retrace error	Repeatability	Measuring force less than (N)
				1/10 revolution	1/2 revolution	One revolution	Two revolutions	Whole measuring range			
107-HG	0.01	10	±0 - 50 - 100	6	±7	±8	±10	±10	4	5	1.4
107-DX	0.01	10	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
107	0.01	10	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
107F	0.01	10	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
107-SWA	0.01	10	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
107-BL	0.01	10	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
107F-RE	0.01	10	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
107-LL	0.01	10	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
107W	0.01	10	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
107F-T	0.01	10	±100 - 50 - 0	8	±9	±10	±15	±15	5	5	1.4
107-E	0.01	10	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	initial pressure 0.4
17	0.01	1	0 - 50 - 0	8	±9	±10	—	—	5	5	1.4
57-SWA	0.01	5	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
57	0.01	5	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
57F	0.01	5	±0 - 50 - 100	8	±9	±10	±15	±15	5	5	1.4
57B	0.01	5	0 - 50 - 0	8	±9	±10	±15	±15	5	5	1.4