

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

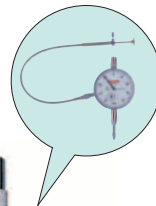
- Oil-proof type
- Flat crystal
- Contact point (X-2A)
- Lug back



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



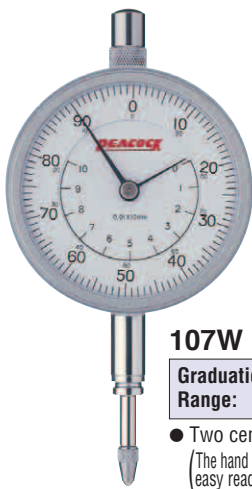
107-LL

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 | $\pm 0 - 50 - 100$ | 6 | ± 7 | ± 8 | ± 10 | ± 10 | 4 | 5 | 1.4 |
| 107-DX | 0.01 | 10 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 107 | 0.01 | 10 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 107F | 0.01 | 10 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 107-SWA | 0.01 | 10 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 107-BL | 0.01 | 10 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 107F-RE | 0.01 | 10 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 107-LL | 0.01 | 10 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 107W | 0.01 | 10 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 107F-T | 0.01 | 10 | $\pm 100 - 50 - 0$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 107-E | 0.01 | 10 | $\pm 0 - 50 - 100$ | 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 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 57 | 0.01 | 5 | $\pm 0 - 50 - 100$ | 8 | ± 9 | ± 10 | ± 15 | ± 15 | 5 | 5 | 1.4 |
| 57F | 0.01 | 5 | $\pm 0 - 50 - 100$ | 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 |