An inspection certificate is supplied as standard.
Refer to page U-11 for details.

Dial Indicators

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

SERIES 2 — Standard Type, 0.01 mm Graduation

- Standard 0.01 mm graduation dial gages having a bezel with an outside diameter of 57 mm. All types come with limit markers and a bezel clamp as standard.
- The bezel clamp and lifting lever (optional) can be attached to either the right or left side. These parts can be easily installed and removed without tools.
- Watertight assembly of bezel and crystal as well as the use of an O-ring prevents water or oil penetration.
- The stem and spindle are made of high-strength quench-hardened stainless steel suitable for heavy-duty use.
- A carbide contact point is used.
- The grand gear is made of stainless steel with high resistance to wear and deformation.
- Application of a hard coating on the surface of the crystal makes the gage highly scratch- and chemical-resistant.

2046S

Continuous scale

Graduation: 0.01 mm, Measuring range: 10 mm

2046S

2046S-09

Shockproof type

Balanced scale

Graduation: 0.01 mm, Measuring range: 10 mm

2047S

Reverse reading type. Suitable for depth and step measurement.

Graduation: 0.01 mm, Measuring range: 10 mm

2902S

Continuous scale

Graduation: 0.01 mm, Measuring range: 10 mm

2310S-10

With coaxial revolution counter

Jeweled bearing type

Continuous scale

Graduation: 0.01 mm, Measuring range: 5 mm

2044S

2044S-09

Shockproof

Balanced scale

Graduation: 0.01 mm, Measuring range: 5 mm

2045S

F

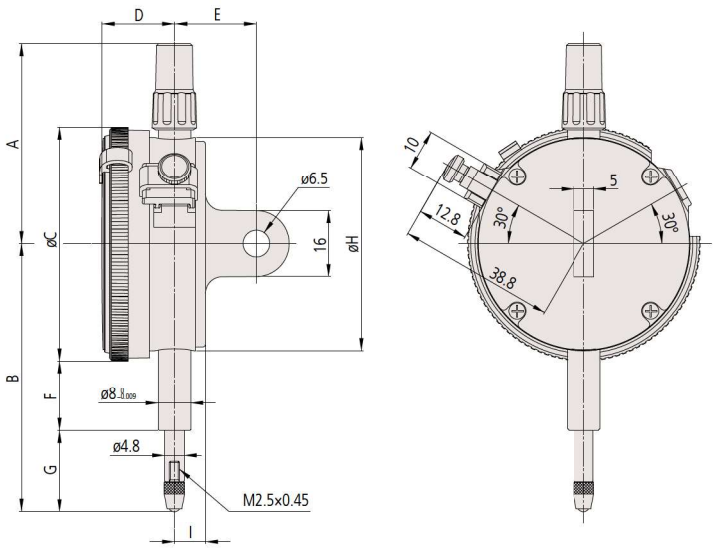
Dial Indicators

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

DIMENSIONS

ISO/JIS Type

Unit: mm



Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2046S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	144	135
2046S-09	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	146	137
2047S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	144	135
2902S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	144	135
2310S-10	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	146	137
2044S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	145	136
2044S-09	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	147	138
2045S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	145	136

Note: Refer to pages F-57 to F-60 for details of contact points.

FEATURES

Metric

Order No.								
w/lug	Flat-back							
2046S	**2046SB**	✔						
2046S-09	**2046SB-09**	✔			✔			
2047S	**2047SB**		✔					
2902S	**2902SB**			✔				
2310S-10	**2310SB-10**	✔					✔	✔
2044S	**2044SB**	✔						
2044S-09	**2044SB-09**	✔			✔			
2045S	**2045SB**		✔					

SPECIFICATIONS

Metric

ISO/JIS type

Order No.		Graduation (mm)	Range (range/rev) (mm)	Maximum permissible error (MPE) (µm)						Dial reading	Measuring force (N)
				Indication error				Hysteresis	Repeat-ability		
w/lug	Flat-back			1/10 Rev	1/2 Rev	1 Rev	Measuring range				
2046S	**2046SB**	0.01	10 (1)	5	9	10	13	3	3	±0-100	1.4 or less
2046S-09	**2046SB-09**	0.01	10 (1)	5	9	10	15	3	3	±0-100	1.4 or less
2047S	**2047SB**	0.01	10 (1)	5	9	10	13	3	3	0-50-0	1.4 or less
2902S	**2902SB**	0.01	10 (1)	5	9	10	13	3	3	100-0	1.4 or less
2310S-10	**2310SB-10**	0.01	10 (1)	5	9	10	15	3	3	±0-100	1.4 or less
2044S	**2044SB**	0.01	5 (1)	5	9	10	12	3	3	±0-100	1.4 or less
2044S-09	**2044SB-09**	0.01	5 (1)	5	9	10	12	3	3	±0-100	1.4 or less
2045S	**2045SB**	0.01	5 (1)	5	9	10	12	3	3	0-50-0	1.4 or less

Note: Completed products inspection is performed in the vertical orientation (contact point downward) and the stated accuracy is guaranteed.