



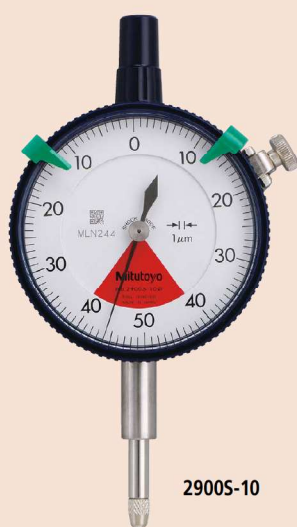
An inspection certificate is supplied as standard.
Refer to page U-11 for details.

Dial Indicators

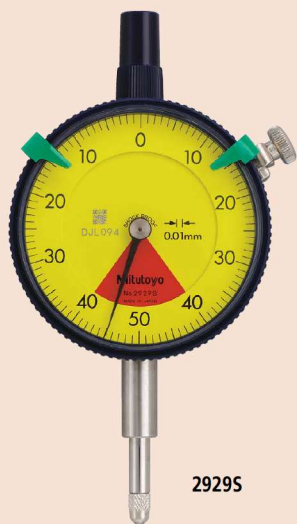
Comparison measuring instruments which ensure high quality, high accuracy and reliability.

SERIES 2 — Standard One Revolution Type for Error-free Reading

- Mitutoyo's unique shock-proof mechanism is incorporated, providing improved resistance to shock due to sudden spindle retraction caused by impact.
- This series has been developed to eliminate the possibility of reading errors due to miscounting multiple revolutions.
- All types come with limit markers and a bezel clamp.
- 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.
- The stem and spindle are made of high-strength quench-hardened stainless steel suitable for heavy-duty use.
- A carbide contact point is used.
- Application of a hard coating on the surface of the crystal makes the gage highly scratch- and chemical-resistant.
- The dead zone in red indicates "accuracy not guaranteed".



2900S-10



2929S

One revolution type Back Plunger dial gages are also available. (Refer to pages F-55 to F-56 for details.)



2990T-10



Balanced scale



Graduation: 0.001 mm,
Measuring range: 0.08 mm

2900S-10

One revolution

Shockproof

Jeweled bearing

2900S-72

One revolution

Shockproof

Dustproof

Jeweled bearing



Balanced scale



Graduation: 0.001 mm,
Measuring range: 0.16 mm

2901S-10

One revolution

Shockproof

Jeweled bearing



Balanced scale



Graduation: 0.1 mm,
Measuring range: 4 mm

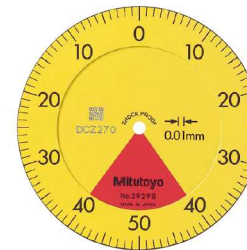
2928S

One revolution

Shockproof



Balanced scale



Graduation: 0.01 mm,
Measuring range: 0.8 mm

2929S

One revolution

Shockproof

2929S-62

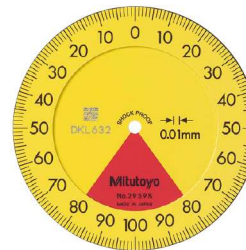
One revolution

Shockproof

Dustproof



Balanced scale



Graduation: 0.01 mm,
Measuring range: 1.6 mm

2959S

One revolution

Shockproof

Dial Indicators

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

DIMENSIONS

ISO/JIS
Type

Unit: mm

ANSI/AGD
Type

Unit: in

Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2928S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	145	136
2929S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	145	136
2929S-62	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	145	136
2959S	48.8	65.2	57	17.7	20	16.9	19.8	52	7.6	145	136
2900S-10	48.8	66	57	17.7	20	16.9	20.6	52	7.6	149	140
2900S-72	48.8	66	57	17.7	20	16.9	20.6	52	7.6	149	140
2901S-10	48.8	66.1	57	17.7	20	16.9	20.7	52	7.6	149	140

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

Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2909S-62	1.92	2.04	2.24	0.70	3/4	0.54	0.39	2.05	0.30	163	138
2910S-10	1.92	2.02	2.24	0.70	3/4	0.54	0.36	2.05	0.30	164	139

FEATURES

Metric								
Order No.								
2928S	2928SB	✓	✓	✓				
2929S	2929SB	✓	✓	✓				
2929S-62	2929SB-62	✓	✓	✓		✓		
2959S	2959SB	✓	✓	✓				
2900S-10	2900SB-10	✓	✓	✓				✓
2900S-72	2900SB-72	✓	✓	✓		✓		✓
2901S-10	2901SB-10	✓	✓	✓				✓

Inch								
Order No.								
2909S-62	2909SB-62	✓	✓	✓		✓		
2910S-10	2910SB-10	✓	✓	✓				✓

SPECIFICATIONS

Metric										ISO/JIS type	
Order No.		Graduation (mm)	Range (range/rev) (mm)	Maximum permissible error (MPE) (μm)					Dial reading	Measuring force (N)	
w/lug	Flat-back			Indication error			Hysteresis	Repeat- ability			
				1/10 Rev	1/2 Rev	1 Rev					Measuring range
2928S	2928SB	0.1	4 (5)	20	—	—	40	20	20	2-0-2	1.4 or less
2929S	2929SB	0.01	0.8 (1)	5	—	—	8	3	3	40-0-40	1.4 or less
2929S-62	2929SB-62	0.01	0.8 (1)	5	—	—	8	3	3	40-0-40	2.0 or less
2959S	2959SB	0.01	1.6 (2)	5	—	—	10	3	3	80-0-80	1.4 or less
2900S-10	2900SB-10	0.001	0.08 (0.1)	2	—	—	3	2	0.5	40-0-40	1.5 or less
2900S-72	2900SB-72	0.001	0.08 (0.1)	2	—	—	3	2	0.5	40-0-40	2.0 or less
2901S-10	2901SB-10	0.001	0.16 (0.2)	2	—	—	4	2	0.5	80-0-80	1.5 or less

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

Inch		ANSI/AGD type						
Order No.		Graduation (in)	Range (range/rev) (in)	Accuracy (in)		Repeat- ability (in)	Dial reading	Measuring force (N)
w/lug	Flat-back			First 1 Rev/2.5 Rev/10 Rev	Retrace			
2909S-62	2909SB-62	0.0005	0.04/0.05	±0.0005/—/—	0.00016	±0.0001	20-0-20	2.5 or less
2910S-10	2910SB-10	0.0001	0.008/0.01	±0.0001/—/—	0.0001	±0.00003	4-0-4	1.8 or less

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