



An inspection certificate is supplied as standard.
Refer to page U-9 for details.

Dial Indicators

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

ANSI/AGD Type Metric Dial Indicators with ø3/8 inch Stem and #4-48UNF-Thread Contact Point Compatible Type

SPECIFICATIONS

Metric		SERIES 1			ANSI/AGD type			
Order No.		Graduation (mm)	Range (range/rev) (mm)	Accuracy (μm)		Repeat-ability (μm)	Dial reading	Measuring force (N)
w/lug	Flat-back			First 1 Rev/2.5 Rev/10 Rev	Retrace			
1230A-01	1230AB-01	0.01	2.5 (1)	±10/±10/—	3	±2	0-100	1.4 or less
1231A-01	1231AB-01	0.01	2.5 (1)	±10/±10/—	3	±2	0-50-0	1.4 or less
1044A-01	1044AB-01	0.01	5 (1)	±10/±10/±13	3	±3	±0-100	1.4 or less
1045A-01	1045AB-01	0.01	5 (1)	±10/±10/±13	3	±3	0-50-0	1.4 or less
1010A-11	1010AB-11	0.002	0.5 (0.2)	±2/±2/—	2	±1	0-20	1.5 or less
1011A-11	1011AB-11	0.002	0.5 (0.2)	±2/±2/—	2	±1	0-10-0	1.5 or less

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

Metric		SERIES 2			ANSI/AGD type			
Order No.		Graduation (mm)	Range (range/rev) (mm)	Accuracy (μm)		Repeat- ability (μm)	Dial reading	Measuring force (N)
w/lug	Flat-back			First 1 Rev/2.5 Rev/10 Rev	Retrace			
2231A-01	2231AB-01	0.01	2.5 (1)	±10/±10/—	3	±3	0-50-0	1.4 or less
2046A-01	2046AB-01	0.01	10 (1)	±10/±10/±13	3	±3	±0-100	1.4 or less
2046A-11	2046AB-11	0.01	10 (1)	±10/±10/±13	3	±3	±0-100	1.4 or less
2047A-01	2047AB-01	0.01	10 (1)	±10/±10/±13	3	±3	0-50-0	1.4 or less
2047A-11	2047AB-11	0.01	10 (1)	±10/±10/±13	3	±3	0-50-0	1.4 or less
2902A-01	2902AB-01	0.01	10 (1)	±10/±10/±13	3	±3	100-0	1.4 or less
2050A-01	2050AB-01	0.01	20 (1)	±10/±10/±15/±20 (20 Rev)	4	±3	±0-100	2.0 or less
2056A-01	2056AB-01	0.01	25 (1)	±10/±10/±15/±20 (20 Rev)/ ±25 (Over 20 Rev)	4	±3	±0-100	2.5 or less
2109A-11	2109AB-11	0.001	1 (0.2)	±3/±3/±4	2	±0.3	0-10-0	1.5 or less
2119A-11	2119AB-11	0.001	5 (0.2)	±7/±7/±8/±10 (20 Rev)/ ±10 (Over 20 Rev)	2.5	±0.3	0-10-0	1.5 or less

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

FEATURES

Metric		ANSI/AGD type							
Order No.		w/lug	Flat-back	1230A-01	1231A-01	1044A-01	1045A-01	1010A-11	1011A-11
1230A-01	1230AB-01								
1231A-01	1231AB-01								
1044A-01	1044AB-01								
1045A-01	1045AB-01								
1010A-11	1010AB-11					✓			✓
1011A-11	1011AB-11					✓			✓

Metric		ANSI/AGD type							
Order No.		w/lug	Flat-back	2231A-01	2046A-01	2046A-11	2047A-01	2047A-11	2902A-01
2231A-01	2231AB-01								
2046A-01	2046AB-01								
2046A-11	2046AB-11					✓			
2047A-01	2047AB-01								
2047A-11	2047AB-11					✓			
2902A-01	2902AB-01								✓
2050A-01	2050AB-01								
2056A-01	2056AB-01								
2109A-11	2109AB-11					✓		✓	
2119A-11	2119AB-11					✓			

Optional Accessories

- Backs (See page F-61)
- Contact points (See pages F-57 to F-60)