

Dial Indicators

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



1044A-60



Continuous scale



Graduation: 0.01 mm,
Measuring range: 5 mm

1044A-60

Waterproof

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				
1013A-10	1013AB-10	0.002	1 (0.2)	2.5	4	5	6	2.5	1	0-100-0	1.5 or less
1040A	1040AB	0.01	3.5 (0.5)	8	10	11	13	4	3	±0-50	1.4 or less
1041A	1041AB	0.01	3.5 (0.5)	8	10	11	13	4	3	0-25-0	1.4 or less
1044A	1044AB	0.01	5 (1)	8	10	11	13	4	3	±0-100	1.4 or less
1044A-15	1044AB-15	0.01	5 (1)	8	10	11	13	4	3	±0-100	0.4 or less*
1044A-60	1044AB-60	0.01	5 (1)	8	10	11	13	4	3	±0-100	2.0 or less
1045A	1045AB	0.01	5 (1)	8	10	11	13	4	3	0-50-0	1.4 or less
1109A-10	1109AB-10	0.001	1 (0.2)	2.5	3.5	4.5	5	2	1	0-100-0	1.5 or less
1124A	1124AB	0.005	3.5 (0.5)	6	9	10	12	3.5	3	±0-50	1.4 or less

* For low measuring force type, use in the vertical orientation.

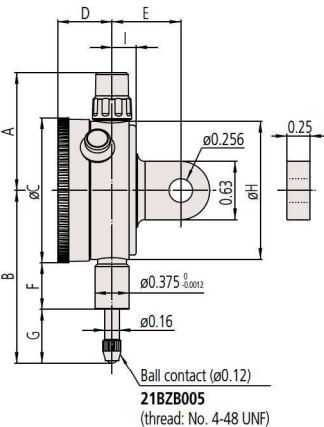
Note: Completed products inspection is performed in the vertical orientation (contact point downward) and the stated accuracy is guaranteed.

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					
1410A	1410AB	0.001	0.25 (0.1)	±0.001/±0.001/—	0.0002	±0.0002	0-100	1.4 or less		
1411A	1411AB	0.001	0.25 (0.1)	±0.001/±0.001/—	0.0002	±0.0002	0-50-0	1.4 or less		
1410A-10	1410AB-10	0.001	0.25 (0.1)	±0.001/±0.001/—	0.0002	±0.0002	0-100	1.4 or less		
1780A	1780AB	0.001	0.125 (0.05)	±0.001/±0.001/—	0.0002	±0.0002	0-50	1.4 or less		
1781A	1781AB	0.001	0.125 (0.05)	±0.001/±0.001/—	0.0002	±0.0002	0-25-0	1.4 or less		
1506A	1506AB	0.0005	0.125 (0.05)	±0.0005/±0.0005/—	0.00016	±0.0001	0-50	1.4 or less		
1507A	1507AB	0.0005	0.125 (0.05)	±0.0005/±0.0005/—	0.00016	±0.0001	0-25-0	1.4 or less		
1670A	1670AB	0.0005	0.1 (0.04)	±0.0005/±0.0005/—	0.00016	±0.0001	0-40	1.4 or less		
1671A	1671AB	0.0005	0.1 (0.04)	±0.0005/±0.0005/—	0.00016	±0.0001	0-20-0	1.4 or less		
1802A-10	1802AB-10	0.0001	0.025 (0.01)	±0.0001/±0.0001/—	0.0001	±0.00003	0-10	1.5 or less		
1803A-10	1803AB-10	0.0001	0.025 (0.01)	±0.0001/±0.0001/—	0.0001	±0.00003	0-5-0	1.5 or less		

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

DIMENSIONS

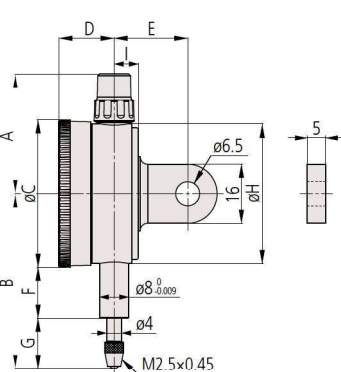
ANSI / AGD Type



Order No.	A	B	C	D	E	F	G	H	I
1410A	1.28	1.87	1.57	0.57	3/4	0.50	0.58	1.50	0.26
1411A	1.28	1.87	1.57	0.57	3/4	0.50	0.58	1.50	0.26
1410A-10	1.28	1.87	1.57	0.57	3/4	0.50	0.58	1.50	0.26
1780A	1.28	1.74	1.57	0.57	3/4	0.50	0.44	1.50	0.26
1781A	1.28	1.74	1.57	0.57	3/4	0.50	0.44	1.50	0.26
1506A	1.28	1.74	1.57	0.57	3/4	0.50	0.44	1.50	0.26
1507A	1.28	1.74	1.57	0.57	3/4	0.50	0.44	1.50	0.26
1670A	1.28	1.71	1.57	0.57	3/4	0.50	0.42	1.50	0.26
1671A	1.28	1.71	1.57	0.57	3/4	0.50	0.42	1.50	0.26
1802A-10	1.28	1.63	1.57	0.57	3/4	0.50	0.33	1.50	0.26
1803A-10	1.28	1.63	1.57	0.57	3/4	0.49	0.33	1.50	0.26

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

ISO / JIS Type



Order No.	A	B	C	D	E	F	G	H	I
1013A-10	32.5	49	40	14.5	20	13.8	15.2	38	6.6
1040A	32.5	46	40	14.5	20	13.8	12.2	38	6.6
1041A	32.5	46	40	14.5	20	13.8	12.2	38	6.6
1044A	32.5	47.5	40	14.5	20	13.8	13.7	38	6.6
1044A-15*	32.5	47.5	40	14.5	20	13.8	13.7	38	6.6
1044A-60	32.5	57	40	14.5	20	12.2	24.8	38	6.6
1045A	32.5	47.5	40	14.5	20	13.8	13.7	38	6.6
1109A-10	32.5	49	40	14.5	20	13.8	15.2	38	6.6
1124A	32.5	46	40	14.5	20	13.8	12.2	38	6.6

*3 Use in the vertical orientation (contact point downward) for the low measuring force model.

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



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

Optional Accessories

- Limit hand (2 pcs.): 21AAB363
- Bezel clamp: 21RZA149

FEATURES

Metric		w/lug	Flat-back	Continuous scale	Limit hand	Bezel clamp	Waterproof
Order No.							
1013A-10	1013AB-10			✓			
1040A	1040AB	✓					
1041A	1041AB		✓				
1044A	1044AB	✓					
1044A-15	1044AB-15	✓					✓
1044A-60	1044AB-60	✓					✓
1045A	1045AB		✓				
1109A-10	1109AB-10		✓			✓	✓
1124A	1124AB	✓					