

The Mitutoyo 2923AB-10 Series 2



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.
- 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 tool.
- 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 an anti-reflective and hard surface coating improves scale visibility along with scratch and chemical resistance.

Continuous scale



Graduation: 0.01 mm
Measuring range: 10 mm
2046A With damper at top rest point

2046A-09 Stockproof

Reverse reading type. Suitable for depth and step measurement.



Graduation: 0.01 mm
Measuring range: 10 mm
2902A With damper at top rest point

Continuous scale



Graduation: 0.01 mm
Measuring range: 5 mm
2044L With damper at top rest point

2044L-09 With damper at top rest point

Stockproof

Balanced scale



Graduation: 0.01 mm
Measuring range: 10 mm
2047A With damper at top rest point

Continuous scale



Graduation: 0.01 mm
Measuring range: 10 mm
2310A-10 With coaxial revolution counter
Jeweled bearing

Balanced scale



Graduation: 0.01 mm
Measuring range: 5 mm
2045A With damper at top rest point

SPECIFICATIONS

Inch		Graduation (in)	Range (range/rev) (in)	Accuracy (in)		Repeatability (in)	Dial reading	Measuring force (N)
Order No.	w/lug Flat-back			First 1 Rev/2.5 Rev/10 Rev	Retrace			
2414A	2414AB	0.001	0.5 (0.1)	±0.001/±0.001/±0.001	0.0002	±0.0002	±0-100	1.8 or less
2415A	2415AB	0.001	0.5 (0.1)	±0.001/±0.001/±0.001	0.0002	±0.0002	0-50-0	1.8 or less
2914A	2914AB	0.001	0.5 (0.1)	±0.001/±0.001/±0.001	0.0002	±0.0002	100-0	1.8 or less
2506A	2506AB	0.0005	0.125 (0.05)	±0.0005/±0.0005/—	0.00016	±0.0001	±0-50	1.8 or less
2507A	2507AB	0.0005	0.125 (0.05)	±0.0005/±0.0005/—	0.00016	±0.0001	0-25-0	1.8 or less
2514A	2514AB	0.0005	0.5 (0.05)	±0.0005/±0.0005/±0.0015	0.00016	±0.0001	±0-50	1.8 or less
2922A	2922AB	0.0005	0.125 (0.05)	±0.0005/±0.0005/—	0.00016	±0.0001	0-25-0	1.8 or less
2356A-10	2356AB-10	0.0001	0.25 (0.01)	±0.0002/±0.0002/±0.0003/±0.0004 (First 20rev)/±0.0005 (Over 20rev)	0.0001	±0.00003	0-10	2.0 or less
2358A-10	2358AB-10	0.0001	0.5 (0.01)	±0.0002/±0.0002/±0.0003/±0.0004 (First 20rev)/±0.0008 (Over 20rev)	0.00015	±0.00003	0-10	2.0 or less
2802A-10	2802AB-10	0.0001	0.025 (0.01)	±0.0001/±0.0001/—	0.0001	±0.00003	0-10	2.0 or less
2803A-10	2803AB-10	0.0001	0.025 (0.01)	±0.0001/±0.0001/—	0.0001	±0.00003	0-5-0	2.0 or less
2804A-10	2804AB-10	0.0001	0.05 (0.01)	±0.0001/±0.0001/±0.0002	0.0001	±0.00003	0-10	2.0 or less
2805A-10	2805AB-10	0.0001	0.05 (0.01)	±0.0001/±0.0001/±0.0002	0.0001	±0.00003	0-5-0	2.0 or less
2905A-10	2905AB-10	0.0001	0.05 (0.01)	±0.0001/±0.0001/±0.0002	0.0001	±0.00003	10-0	2.0 or less
2923A-10	2923AB-10	0.0001	0.05 (0.01)	±0.0001/±0.0001/±0.0002	0.0001	±0.00003	0-5-0	2.0 or less

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

FEATURES

Inch		Order No.	w/lug Flat-back	ANSI/ASME type	Dial indicator	Measuring force (N)
Order No.						
2414A	2414AB					
2415A	2415AB					
2914A	2914AB					
2506A	2506AB					
2507A	2507AB					
2514A	2514AB					
2922A	2922AB					
2356A-10	2356AB-10					
2358A-10	2358AB-10					
2802A-10	2802AB-10					
2803A-10	2803AB-10					
2804A-10	2804AB-10					
2805A-10	2805AB-10					
2905A-10	2905AB-10					
2923A-10	2923AB-10					