

Indicators

High-performance ABS Digimatic Indicator ID-FNX (Digimatic S1 supported) SERIES 543 — with Back-lit LCD Screen

- ID-F Series is a next-generation indicator with various new functions, supporting bidirectional communication. With the addition of the appropriate data cable and software, remote zero setting and gage setting can all be implemented from a connected PC, thereby improving your work efficiency.
- This series adopts an external power supply to operate a bright backlit display. The display color helps you make tolerance judgment at a glance.

Green indication for GO judgment Red indication for $\pm$ NG judgment



- The next calibration due date can be set with an alarm to improve instrument management.
- The ABS (ABSOLUTE) scale restores the last origin position* automatically when the indicator is turned on, and realizes high reliability by eliminating over-speed errors.

* Refer to "Precautions for use" on page F-2.



SPECIFICATIONS

Inch/Metric		ASME/ANSI/AGD: Type Ø3/8" stem, #4-48UNF thread						
Order No.	Range	Resolution	Accuracy (in)*	Hysteresis	Repeatability	Measuring force (N)	Power source	Mass (g)
543-856-A	0.5 in/	0.00002/0.00005/ 0.0001/0.0005/ 0.001 in, 0.005/0.001/ 0.01 mm (selectable)	±0.00010	0.00008	0.00008	1.5 or less	AC adapter (5.9 V)	200
543-856B-A (flat back)	12.7 mm					1.8 or less		170
543-852A	1 in/ 25.4 mm					2.3 or less		240
543-854A	2 in/ 50.8 mm							330
543-858A			±0.00012					
Metric		ISO/JIS Type: Ø8mm stem, M2.5x0.45 thread						
Order No.	Range (mm)	Resolution (mm)	Accuracy (mm)*	Hysteresis H_{HFE}	Repeatability R_{HFE}	Measuring force (N)	Power source	Mass (g)
543-855-A	12.7	0.0005/ 0.001/0.01 (selectable)	0.0025	0.002	0.002	1.5 or less	AC adapter (5.9 V)	180
543-855B-A (flat back)	25.4					1.8 or less		170
543-851A	50.8					2.3 or less		240
543-853A								330
543-857A			0.003					

Included Power Adapter: 06AGZ369JA

MeasurLink ENABLED
Data Management Software by Mitutoyo

ABSOLUTE™



DIGIMATIC S1

Functions

- Peak detection (MAX/MIN)
 - Runout range measurement (MAX - MIN)
- Note: Peak detection
- 1) Sampling rate:
Resolution 0.0005 mm 50 readings/s
Resolution 0.001 mm, 0.01 mm 500 readings/s
 - 2) Capturing speed:
Resolution 0.0005 mm 50 μ m/s
Resolution 0.001 mm, 0.01 mm 500 μ m/s
- Zero-setting (INC system)
 - Presetting (ABS system)
 - Measuring direction switching
 - Tolerance judgment
 - Resolution switching
 - Simple calculation $f(x) = Ax$
 - Analog resolution selection
 - Data hold (when not connected to an external device)
 - Function Lock
 - Calibration schedule warning
 - Data output
 - Display rotation (330°)
 - Error alarm display