(Refer to page X for details.)



An inspection certificate is supplied as standard. Refer to page X for details.

Technical Data

- Display: 6-digit LCD, signUsable orientation: All

- Scale type: ABSOLUTE electrostatic linear encoder
 Battery: SR44 (1 pc.), 938882 for initial operational checks (standard accessory)
- Maximum response speed: No limit (except for scanning measurement)

Functions

- Origin set (Zero-setting)
- Direction switching
- Low battery voltage alarm displayError alarm display

Optional Accessories

Lifting

Lifting lever 21EZA198 (ISO/JIS/DIN Type), 21EZA199 (ASME/ANSI/ AGD Type) Lifting knob 21EZA105 (ISO/JIS/DIN Type),

21EZA150 (ASME/ANSI/ AGD Type) Lifting cable **540774**• SPC Cable:

905338 (1 m) 905409 (2 m)

• USB Input Tool Direct (2 m): 06AFM380F

*Please separately purchase **USB-ITPAK** since there is no data output switch on the measurement instrument. Refer to pages A-20 to A-22 for details. • Connecting Cables for **U-WAVE-T** (160 mm):

02AZD79ŎF

For footswitch: **02AZE140F**Refer to page F-60 for details.
• Digimatic Mini-Processor DP-1VA LOGGER: **264-505**

Contact points for Mitutoyo's dial indicators (Refer to pages F-51 to F-54 for details.) Interchangeable backs for 2 series (Refer to page F-55 for details.)

Measuring stands (Refer to pages F-78 to F-85 for details.)

IP53 dust/water protection level

Level 5: Dust protection

While complete protection against intrusion of dust is not provided, protection is adequate to prevent dust intrusion in amounts that would inhibit the prescribed operations and safety of the electronic equipment.

Level 3: Protection against spraying water
The product suffers no harmful effects when

subjected to water sprayed at an angle of up to 60 degrees on both sides.

For details on the dust/water protection level test conditions, refer to IEC 60529:2001 and JIS C 0920:2003

Prode is the degree of protection against the intrusion of solid foreign objects and water.

Mitutoyo offers a lineup of coolant proof, ID-N/B indicators that have excellent resistance to oil, water and dust and so are suitable for use in environments that include splashing cutting fluid.



Refer to the ABS Digimatic Indicator ID-S Series brochure (E12013) for details.

ABSOLUTE Digimatic Indicator ID-SX **SERIES 543**

MeasurLink® ENABLED Data Management Software by Mitutoyo

- Cost-effective oriented design ID-SX indicators use a button-type battery (SR44) and come with the minimum of functionality for ease of use. There is a choice of models in the lineup allowing selection of 0.01 mm, 0.001 mm or inch-based measurement resolutions.
- IP53 dust/water protection level The models listed below also provide IP53 dust/ water protection level specifications: 543-794/94B/95/95B/96/96B

• ABS (absolute) scale These Digimatic indicators employ Mitutoyo's proprietary ABS (absolute) scale, which makes it possible to restore the origin point even if the power is turned off. This eliminates the need to perform origin restoration each time the power is turned on. Furthermore, this scale ensures that overspeed errors do not occur, which improves reliability

 Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems (refer to page A-3).

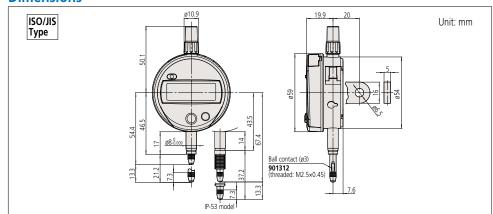


į	Metric _							ISO/JIS/DIN Type ASME/ANSI/AGD Type				
	Order No.	Range	Resolution	Overall*2	Accuracy*1 Hysteresis	Repeatability	Back type	Measuring force	Battery life*3	Dust/Water protection level*4		
	543-790	12.7 mm	0.001 mm	0.003 mm	0.002 mm	0.002 mm	With lug	1.5N or less	18,000 hours (Continuous use) Approx. 5 years (Normal use)	IP42		
	543-790B						Flat					
	543-794						With lug	2.5N or less		IP53		
	543-794B						Flat					
	543-781		0.01 mm	0.02 mm	0.02 mm	0.01 mm	With lug	1.5N or less	20,000 hours			
	543-781B						Flat		(Continuous use) Approx. 5 years (Normal use)	rs IP42		

Inch/Metric									
Order No.	Range	Resolution	Accuracy*1			Back type	Measuring	Battery life*3	Dust/Water
Oraci ito.			Overall*2	Hysteresis	Repeatability	Dack type	force	Dattery inc	protection level*4
543-791	0.5 in/ 12.7 mm	0.00005 in /0.001 mm 0.0001 in /0.001 mm 0.00005 in /0.001 mm	±0.0001 in /0.003 mm	0.0001 in /0.002 mm	0.0001 in /0.002 mm	With lug	1.5N or less 2.5N or less	(Continuous use) Approx. 5 years (Normal use)	IP42
543-791B						Flat			
543-792						With lug			
543-792B						Flat			
543-793						With lug			
543-793B						Flat			
543-795						With lug			IP53
						Flat			
543-796 543-796B						With lug			
543-7908						Flat With lug		20.000	2) 1043
543-782B		0.0005 in /0.01 mm	±0.0010 in /0.02 mm	0.0010 in /0.02 mm	0.0005 in /0.01 mm	Flat	1.5N or less	20,000 hours	
543-783						With lug		(Continuous use)	
543-783B						Flat		Approx. 5 years (Normal use)	

- *1 These values apply at 20 °C, and quantizing error of ±1 count is excluded. *2 Overall magnification and linearity.
- *3 The battery life varies, depending on the number of times the Digimatic Indicators are used as well as the way it is used. The value has a socket cover is in place. Does not apply if the cover is removed, a lifting accessory is attached, or a connecting cable is attached.

Dimensions



Note 1: Dimensions of the inch (ANSI/AGD Type) dial indicator partly differ from those of the metric (ISO/JIS Type) indicator.

Note 2: Inch (ANSVAGD Type) dial indicators are provided with a stem of 3/8 inch dia. and #4-48UNF thread mount for the contact point.