

Indicators

ABSOLUTE Digimatic Indicator ID-SX2 SERIES 543

- A standard model of indicator that is reliable and easy to use with basic functions.
- This model consumes less power than other advanced models and can operate longer without frequent battery replacement.
- 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.
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems. (Refer to the A section)

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



543-792-12

SPECIFICATIONS

Inch / Metric		ASME/ANSI/AGD Type									
Order No.	Range	Resolution	Accuracy (in)	Hysteresis	Repeatability	Measuring force (N)	Back type	Battery life*	Mass (g)	Dust/Water protection level	
543-792-12	0.5 in/ 12.7 mm	0.00005 in/ 0.001 mm	±0.00010	0.00010	0.00010	1.5 or less	With lug	Approx. 18,000 hours (Continuous use) Approx. 5 years (Normal use)	165	IP42	
543-792B-12		Flat					140				
543-793-12		0.0001 in/ 0.001 mm					With lug		165		
543-793B-12		Flat					140				
543-796-12		0.00005 in/ 0.001 mm					2.5 or less		With lug		155
543-796B-10	Flat	155	IP53								
543-783-12	0.0005 in/ 0.01 mm	±0.0010		0.0010	0.0005	1.5 or less	With lug	Approx. 20,000 hours (Continuous use) Approx. 5 years (Normal use)	165	IP42	
543-783B-12	Flat	140									

Inch / Metric		ISO/JIS Type									
Order No.	Range	Resolution	Accuracy (mm)	Hysteresis H_{MPE}	Repeatability R_{MPE}	Measuring force (N)	Back type	Battery life*	Mass (g)	Dust/Water protection level	
543-791-12	0.5 in/ 12.7 mm	0.00005 in/ 0.001 mm	0.003	0.002	0.002	1.5 or less	With lug	Approx. 18,000 hours (Continuous use) Approx. 5 years (Normal use)	150	IP42	
543-791B-12							Flat		140		
543-795-10							With lug		155		
543-795B-12							Flat		155		
543-782-12							0.0005 in/ 0.01 mm		0.02		0.02
543-782B-12	Flat	140									

Metric		ISO/JIS Type									
Order No.	Range (mm)	Resolution (mm)	Accuracy (mm)*1	Hysteresis H_{MPE}	Repeatability R_{MPE}	Measuring force (N)	Back type	Battery life*	Mass (g)	Dust/Water protection level	
543-790-12	12.7	0.001	0.003	0.002	0.002	1.5 or less	With lug	Approx. 18,000 hours (Continuous use) Approx. 5 years (Normal use)	150	IP42	
543-790B-12							Flat		140		
543-794-12							With lug		155		
543-794B-12							Flat		155		
543-781-12							0.01		0.02		0.02
543-781B-10	Flat	140									

• Power source: SR44 battery (1 pc.), **938882** included as standard

* The battery life varies, depending on the number of times a Digimatic indicator is used as well as the way it is used. The values listed above are approximations.

MeasurLink¹ ENABLED
Data Management Software by Mitutoyo

ABSOLUTE™



Applicable models:
See SPECIFICATIONS

Functions

- Origin set (Zero-setting)
- Measuring direction switching
- Data output
- Low battery voltage alarm display
- Error alarm display

Optional Accessories

Order No.	Type	Description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type IT-020U
905338	F	Connection cable (1 m)
905409	F	Connection cable (2 m)
06AFM380F	F	USB Input Tool Direct* (2 m)
02AZD790F	F	Connection cable for U-WAVE-T (160 mm)
02AZE140F	F	Connection cable for U-WAVE-T For foot switch
264-622	IP67	U-WAVE-TM
264-623	Buzzer	U-WAVE-TM
02AZD810D	—	U-WAVE-R
264-626	IP67	U-WAVE-TMB
264-627	Buzzer	U-WAVE-TMB
02AZF670	—	U-WAVE-TM/TMB mounting bracket: for Digimatic Indicators

* Please separately purchase **USB-ITPAK** since there is no data output switch on the measurement instrument. (Refer to Section A for details.)

- Lifting
Lifting lever **21EZA198**
Lifting knob **21EZA105**
Lifting cable **21JZA295**
With auto-stop function:
21JZA301 (overall length 300 mm)
- Contact points for Mitutoyo's Digimatic indicators (optional)
Refer to pages F-63 to F-68 for details.
- Interchangeable back covers (optional)
Refer to pages F-69 to F-70 for details.
- Measuring stands (optional)
Refer to Section A for details.

