

ABSOLUTE Digimatic Indicator ID-S Series 543-with Simple Design

Series 543

Features

- As compact as standard Series 2 dial indicators.
- After the initial zero-setting with the ORIGIN button, the repeated absolute positioning is no longer necessary over the entire battery life.
- Employing the ABSOLUTE linear encoder, the ID-S always displays the spindle "Absolute Position" from the origin at power-on. Also unlimited response speed eliminates over-speed errors.
- SPC data output.



Technical Data

Accuracy: Refer to the list of specifications.

Resolution: 0.01mm, 0.001mm, .0005"/0.01mm, .0001"/0.001mm or .00005"/0.001mm

Display: LCD

Length standard: ABSOLUTE electrostatic capacitance type linear encoder

Max. response speed: Unlimited

Measuring force: Refer to the list of specifications

Battery: SR44 (1 pc.), 938882

Battery life: Approx. 20,000 hours under normal use

Dust/Water protection level: IP42 (IP53:543-794, 543-795, 543-796)

Function

Origin-set, Zero-set, Counting direction switching, Power ON/OFF, Data output, inch/mm conversion (on inch/metric models only)

Alarm: Low voltage, Counting value composition error, Over-flow error

Order No	543-782	543-782B	543-783	543-783B	543-791	543-791B	543-792
Model No	ID-S1012MX	ID-S1012MBX	ID-S1012E	ID-S1012EB	ID-S112MX	ID-S112MBX	ID-S112EX
Image							
Parts	 Parts Break Down	 Parts Break Down	 Parts Break Down	 Parts Break Down	 Parts Break Down	 Parts Break Down	 Parts Break Down
Reso	.0005in 0.01mm	.0005in 0.01mm	.0005in 0.01mm	.0005in 0.01mm	.00005in 0.001mm	.00005in 0.001mm	.00005in 0.001mm
Range	.5in 12.7mm	.5in 12.7mm	.5in 12.7mm	.5in 12.7mm	.5in 12.7mm	.5in 12.7mm	.5in 12.7mm
Accuracy	.0008in	.0008in	.0008in	.0008in	.00012in	.00012in	.00012in
Stem DIA	Ø8in	Ø8in	3/8in	3/8in	Ø8in	Ø8in	3/8in
Force	2.0N or less	2.0N or less	2.0N or less	2.0N or less	2.0N or less	2.0N or less	2.0N or less
Contact Point	M2.5x0.45 Thread	M2.5x0.45 Thread	4-48 UNF Thread	4-48 UNF Thread	M2.5x0.45 Thread	M2.5x0.45 Thread	4-48 UNF Thread