

ABSOLUTE Digimatic Indicators ID-F Series-with Back-Lit LCD Screen

Series 543

FEATURES

- With the ABSOLUTE Linear Encoder technology, once the measurement reference point has been preset it will not be lost when the power is turned on.
- GO/±NG judgment is performed by setting the upper and lower tolerances. If a judgment result is out of tolerance, the display backlighting changes from green to red, so tolerance judgment can be made at a glance.
- An analog bar indicator has been integrated to handle upper/lower limit approaching and zero approaching. It enhances the ease of operation in the same manner as a dial indicator. The display range of the analog bar can be changed.
- With SPC data output.

Technical Data

Accuracy: Refer to the list of specifications.

Resolution: 0.01mm/0.001mm or .00005"/.0001"/.0005"/.001"/0.001mm/0.01mm

Display: LCD

Length standard: ABSOLUTE electrostatic capacitance type linear encoder

Max. response speed: Unlimited

Measuring force: 1.8N/2.3N* or less (*50mm range models)

Power supply: 9V DC (via AC adaptor)

Function

Origin-set/Preset, Zeroset, GO/±NG judgment, Max/Min value hold, Runout measurement, Resolution switching, 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, Tolerance limit setting error



Inch/Metric	Metric	
Order Number	543-552A	543-558A
Image		
Measuring Range	0-1in 0-25mm	0-2in 0-50.8mm
LCD Resolution	.00005/.0005/.0001/.001in 0.001/0.01mm	.00005/.0005/.0001/.001in 0.001/0.01mm
Accuracy(20°C)	±.00012in .003mm	±.00012in .003mm
Quantizing Error	1 Count	1 Count
Measuring Force	0-1.8N	0-2.3N
Stem Diameter	3/8in 0.375mm	3/8in 0.375mm
Contact Point	.16in(DIA)Steel Ball(4-48UNF)900032	.16in(DIA)Steel Ball(4-48UNF)900032
Power Supply	AC Adapter (9V)DC,500mA)No.526688A	AC Adapter (9V)DC,500mA)No.526688A
Data output	SPC Digimatic output	SPC Digimatic output
Functions	ZERO/ABS, PRESET, MAX./MIN. HOLD, TIR, Selectable Resolution, Digital/Analog Display, Key Lock, +/- Direction, GO/NG Judgment	ZERO/ABS, PRESET, MAX./MIN. HOLD, TIR, Selectable Resolution, Digital/Analog Display, Key Lock, +/- Direction, GO/NG Judgment
Weight	0.53lbs	0.73lbs

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