

ABSOLUTE Digimatic Indicator ID-C Series 543-Standard Type

Series 543

FEATURES

- As compact as standard Series 2 dial indicators.
- Large, easy-to-read LCD.
- GO/±NG judgment can be performed by setting upper and lower tolerance limits. The judgment result (GO/±NG) can be displayed in full-size characters.
- The positive/negative count resulting from the spindle's up/down movement can be toggled.
- Internal calculations using the simple formula of $[F(x)=Ax]$ are available
- Employing the ABSOLUTE linear encoder, the ID-C always displays the spindle "Absolute Position" from the origin at power-on. Also unlimited response speed eliminates over-speed errors.
- The ID-C indicator face can be rotated 330° to an appropriate angle for easy reading.
- With 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. 5,000 hours under normal use

Dust/Water protection level: IP42 or IP53 (dust-proof type)



Function

Origin-set/Preset, Zeroset, GO/±NG judgment, 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

Internal calculations using the simple formula of $[F(x)=Ax]$ are available

Order No	543-392B	543-402B	543-472B	543-492B	543-390B	543-476B	543-496B
Model	ID-C112EXB	ID-C1012EX	ID-C125EXB	ID-C150EXB	ID-C112X	ID-C1025EXB	ID-C112CEXB
Image							
Parts	 Parts Break Down	 Parts Break Down	 Parts Break Down	 Parts Break Down	 Parts Break Down	 Parts Break Down	 Parts Break Down
Range	.5in/ 12.7mm	.5in/ 12.7mm	1in/ 25mm	2in/ 50mm	*0.01mm	1in/ 25mm	2in/ 50mm
Accuracy	.0001in	.001in	.0001in	.0002in	0-12mm	.001in	.001in
Contact Point	Stem dia 3/8", #4-48 UNF Thread	Stem dia 3/8 in 4-48 UNF Thread	Stem dia 3/8 in 4-48 UNF Thread	Stem dia 3/8 in 4-48 UNF Thread	Stem Ø8mm M2.5 x 0.45 Thread	Stem dia 3/8 in 4-48 UNF Thread	Stem dia 3/8 in 4-48 UNF Thread
Measuring Force	Less than 1.5N	Less than 0.9N	Less than 1.8N	Less than 2.3N	0.003mm	Less than 1.8N	Less than 2.3N
Resolution *Switchable	.00005in 0.001mm	.0005in 0.01mm	*.00005in 0.001mm	*.00005in 0.001mm	Less than 1.5N	.0005in 0.01mm	.0005in 0.01mm
Type	ANSI/AGD	ANSI/AGD	ANSI/AGD	ANSI/AGD	ISO/JIS	ANSI/AGD	ANSI/AGD
Remarks	-	-	-	-	-	-	-