

Product Information

Indicators

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ABSOLUTE Digimatic Indicator ID-C Series-Calculation Type

Series 543

FEATURES:

A conventional Digimatic indicator simply displays a spindle displacement, but the Calculation-Type Digimatic indicator incorporates an internal calculation function in place of spindle displacement. With fixtures, measurements such as feeler, inside diameter and radius of curvature measurement can easily be obtained without the hassle of conversion tables or equivalents.

- The Absolute Digimatic indicator performs internal calculations using the formula $Ax+B+Cx-1$ (assuming spindle displacement as x) while the specified coefficients A, B and, C can be set with respect to the purpose of measurement or dimensions of the fixtures. This unique feature allows you to read your measurements directly, without fumbling for conversions.

Technical Data

Accuracy: Refer to the list of specifications.

Resolution: 0.0002mm - 1mm or .00001" - .05"/0.0002mm - 1mm

Display: LCD

Length standard: ABSOLUTE electrostatic capacitance type linear encoder

Max. response speed: Unlimited

Measuring force: 1.5N or less

Battery: SR44 (1 pc.), **938882**

Battery life: Approx. 12 months under normal use

Function

Origin-set/Preset, Zero-set, 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

Optional Accessories

905338: SPC cable (40" / 1m)

905409: SPC cable (80" / 2m)

902011: Spindle lifting lever (ISO/JIS type)

540774: Spindle lifting cable (Stroke: .4" / 10mm)



Inch/Metric	Metric					
Order No	543-286B	543-287B	543-481B	543-482B	543-486B	543-487B
Model	ID-C112RMB	ID-C112REB	ID-C125RMB	ID-C125REB	ID-C150RMB	ID-C150REB
Parts	 Parts Break Down	 Parts Break Down				
Resolution	.00001-.05in 0.0002-1mm	.00001-.05in 0.0002-1mm	.00001-.05in 0.0002-1mm	.00001-.05in 0.0002-1mm	.00001-.05in 0.0002-1mm	.00001-.05in 0.0002-1mm
Range	.5in 12.7mm	.5in 12.7mm	1in 25.4mm	1in 25.4mm	2in 50.8mm	2in 50.8mm
Accuracy	.00012in	.00012in	.00012in	.00012in	.00025in	.00025in
Measuring Force	1.5N or less	1.5N or less	2.0N or less	2.0N or less	2.3N or less	2.3N or less
Type						