

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, 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

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)
 —: Backs (See page F-33.)
 —: Contact points (See page F-34.)

APPLICATIONS



- Various fixtures suited for individual workpieces can be prepared.
- Measuring accuracy is subject to fixture accuracy

ABSOLUTE Digimatic Indicator ID-C

SERIES 543 — Calculation Type

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 features allows you to read your measurements directly, without fumbling for conversions.



543-287B

SPECIFICATIONS

ISO/JIS type ANSI/AGD type

Inch/Metric		Stem dia. 3/8" #4-48 UNF Thread			
Resolution	Range	Order No.*	Model	Accuracy	Measuring Force
.00001" - .05"/ 0.0002 - 1mm (switchable)	.5" / 12.7mm	543-287B	ID-C112REB	.00012"	1.5N or less
	1" / 25.4mm	543-482B	ID-C125REB	.00012"	2.0N or less
	2" / 50.8mm	543-487B	ID-C150REB	.00025"	2.3N or less

Inch/Metric		Stem ø 8mm, M2.5 x 0.45 Thread			
Resolution	Range	Order No.*	Model	Accuracy	Measuring Force
.00001" - .05"/ 0.0002 - 1mm (switchable)	.5" / 12.7mm	543-286B	ID-C112RMB	.00012"	1.5N or less
	1" / 25.4mm	543-481B	ID-C125RMB	.00012"	2.0N or less
	2" / 50.8mm	543-486B	ID-C150RMB	.00025"	2.3N or less

Metric		Stem ø 8mm, M2.5 x 0.45 Thread			
Resolution	Range	Order No.*	Model	Accuracy	Measuring Force
0.0002 - 1mm (switchable)	12.7mm	543-285B	ID-C112RB	0.003mm	1.5N or less
	25.4mm	543-480B	ID-C125RB	0.003mm	2.0N or less
	50.8mm	543-485B	ID-C150RB	0.006mm	2.3N or less

*Flat back

DIMENSIONS

