



Technical Data

Accuracy: Refer to the list of specifications Resolution: 0.001-0.01mm or

.00005-.0005"/0.001-0.01mm

Display: LCI

Length standard: ABSOLUTE electrostatic capacitance type

linear encoder

Max. response speed: Unlimited Measuring force: 1.5N or less Battery: CR2032 (1 pc.), **05SAA217**

Battery life: Approx. 12 months under normal use

IP Rating: Equivalent to IP-42*1

*1 A protection class indication (IP=International Protection) is based on the IEC 60529 /DIN40050 part 1/JIS D0207, C0920. The level indicated is valid only if the output connector cap is installed.

Function

Key Lock, Parameter Lock, PC-USB Input, Analog Bar, FAST measurement frequency, Preset (up to 3 values), Tolerance Judgment, Peak Detection (Min Only), inch/mm conversion (on inch/metric models only) Data Output

Alarm: Low voltage, Counting value composition error,

Over-flow error, Tolerance limit setting error

Optional Accessories

905338: Connecting Cable (1m) 905409: Connecting Cable (2m) 21EZA313: Parameter Setting USB Cable

Applicable Gages Series 511 and 526



ABSOLUTE Digimatic Indicator ID-C

SERIES 543 — Specially Designed for Bore Gage Application

FEATURES

- The new Bore Gage-Type Digimatic Indicator features both a Key-Lock and Parameter-Lock. This is designed to prevent accidental changing of settings during operation.
- Parameter setting software makes it even easier to set all of the available parameters.(optional)
- FAST measurement frequency allows the user to increase the number of readings per second from 10 to 50
- The minimum value holding function provides the easy of detection of hole diameter.
- An analog bar indicator is integrated to enhance the intuition in reading.
- GO/±NG judgment is performed by setting the upper and lower tolerances.
- Up to three sets of master values and upper/lower tolerance values can be memorized.
- Employing the ABSOLUTE linear encoder, the ID-C always displays the spindle "Absolute Position" from the origin at power-on.



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
.00005/.0001/.0005" 0.001/0.01mm Selectable	.5"/12.7mm	543-312B	ID-C112GEXB	±.00010"/0.003mm	1.5N or less

Inch/Metric Stem ø 8mm, M2.5 x 0.45 Thread

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.00005/.0001/.0005" 0.001/0.01mm Selectable	.5"/12.7mm	543-311B	ID-C112GMXB	±.00010"/0.003mm	1.5N or less

Metric	Stem dia. 3/8" #4-48 UNF Thread					
Resolution	Range	Order No.	Model	Accuracy	Measuring Force	
0.001/0.01mm Selectable	12.7mm	543-310B	ID-C112GXB	0.003mm	1.5N or less	

DIMENSIONS



