

ABSOLUTE Digimatic Indicator ID-C

SERIES 543 — With Max./Min. Value Holding Function

FEATURES

- The new Peak Hold-Type Digimatic Indicator features both a Key-Lock and Parameter-Lock to prevent accidental changing of settings during operation.
- Parameter setting software makes it even easy to set all available parameters.
- An analog bar provides easy-to-read values when scanning for Max, Min and TIR Values.
- The maximum, minimum or runout value can be displayed during measurement.
- Go/no-go judgment is performed by setting the upper and lower tolerances for max., min. and runout values.
- High speed sampling ratio of 50 times/s.
- Employing the ABSOLUTE linear encoder, the Signal ID-C always displays the spindle Absolute Position from the origin when turned on.



543-302B

SPECIFICATIONS

ISO/JIS type ANSI/AGD type

Inch/Metric Stem dia. 3/8" #4-48 UNF Thread

Resolution	Range	Order No.		Model	Accuracy
		w/lug	Flat-back		
.00005"/.0001"/.0005" 0.001/0.01mm Selectable	.5"/12.7mm	543-302	543-302B	ID-C112AEX(B)	±.00010"/0.003mm

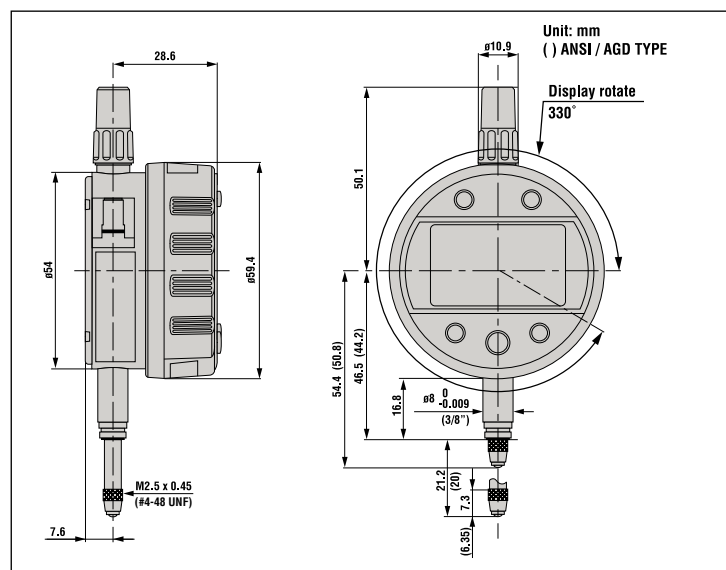
Inch/Metric Stem ø 8mm, M2.5 x 0.45 Thread

Resolution	Range	Order No.		Model	Accuracy
		w/lug	Flat-back		
.00005"/.0001"/.0005" 0.001/0.01mm Selectable	.5"/12.7mm	543-301	543-301B	ID-C112AMX(B)	±.00010"/0.003mm

Metric Stem ø 8mm, M2.5 x 0.45 Thread

Resolution	Range	Order No.		Model	Accuracy
		w/lug	Flat-back		
0.001-0.01mm Selectable	12.7mm	543-300	543-300B	ID-C112AX(B)	0.003mm

DIMENSIONS



SPC

ABSOLUTE
Absolute System Patented by MITUTOYO



Technical Data

Accuracy: Refer to the list of specifications
Resolution: 0.001-0.01mm or .00005-.0005"/
0.001-0.01mm
Display: LCD
Length standard: ABSOLUTE electrostatic capacitance-type
linear encoder
Max. response speed: Unlimited
Measuring force: 1.5N or less
Battery: CR2032 (1 pc.), **055AA217**
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, Calculation (Ax), inch/mm conversion (on inch/metric models only) Counting direction switching, Data Output
Alarm: Low voltage, Counting value composition error, Overflow error, Tolerance limit setting error

Optional Accessories

905338: Connecting Cable (1m)
905409: Connecting Cable (2m)
21EZA313: Parameter Setting USB Cable
21EZA198: Spindle lifting lever (12.7mm ISO/JIS type)
21EZA199: Spindle lifting lever (12.7mm ASME/AGD type)
21EZA105: Lifting Knob (12.7mm/.5" ISO/JIS models)
21EZA150: Lifting Knob (12.7mm/.5" ASME/AGD models)
21EZA197: Lifting Knob (for 25.4/1" mm models)
21EZA200: Lifting Knob (for 50.8/2" mm models)
540774: Spindle lifting cable
—: Backs (See page F-33.)
—: Contact points (See page F-34.)