ABSOLUTE Digimatic Indicator ID-N / B

SERIES 543 — With Dust/Water Protection Conforming to IP66

Technical Data

Accuracy: Refer to the list of specifications
Resolution: 0.01mm, 0.01mm/0.001mm, .0005"/0.01mm or .0005"/.00005"/0.01mm/0.001mm
Display: LCD
Length standard: ABSOLUTE electrostatic capacitance-type linear encoder
Max. response speed: Unlimited
Measuring force: 2.5N (2.0N: Back plunger type)
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 7000 hours under normal use
Dust/Water protection level: IP66

Function

Zero-setting, Presetting, Direction switching, Tolerance judgment, Display hold, Data output, inch/mm conversion (on inch/metric models only)
Alarm: Low voltage, Counting value composition error, Overflow error, Tolerance limit setting error

Optional Accessories

21EZA105: Lifting knob (for ISO/JIS model, ID-N only)
21EZA150: Lifting knob (for AGD model, ID-N only)
21EZA145: Lug (for JIS/ISO model)
21EZA146: Lug (for AGD model)
02ACA376: Rubber boot (for ID-N, NBR)
238774: Rubber boot (for ID-N, silicon)
125317: Rubber boot (for ID-B, NBR)
21EAA212: Rubber boot (for ID-B, silicon)
21EAA194: SPC cable (40" / 1m)
21EAA190: SPC cable (80" / 2m)
21EAA210: Bifurcated connecting cable with zero-setting terminal (40" / 1m)
21EAA211: Bifurcated connecting cable with zero-setting terminal (80" / 2m)
——: Contact points (See page F-34.)

FEATURES

- Proven ABSOLUTE sensor.
- Rated to IP66 water- and dust-proofing standard, and oil resistance improved.
- Slim body design is advantageous for multi-point measurements.
- Improvement in workability with the LCD readout-rotation function.
- Back plunger design (ID-B).
- Built-in tolerance judgment function.
- Switchable resolution.
- Waterproof data output connector.
- Built-in hold/preset function.

Slim type ID-N
543-576

Back plunger type ID-B
543-586

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ID-B Digimatic Indicators

SPECIFICATIONS

Metric Stem ø 8mm M2.5 X 0.45 Thread

Resolution	Range	Order No.	Model No.	Accuracy	Measuring Force
0.01mm	5.0mm	**543-580**	ID-B1005	0.02mm	2.0N or less
0.001mm	5.0mm	**543-585**	ID-B105	0.003mm	2.0N or less

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

Resolution	Range	Order No.	Model No.	Accuracy	Measuring Force
.0005" / 0.01mm	.22" / 5.6mm	**543-581**	ID-B1005E	.0008" / 0.02mm	2.0N or less
.0005" / 0.01mm .00005" / 0.001mm	.22" / 5.6mm	**543-586***	ID-B105E	.00012" / 0.003mm	2.0N or less

* Switchable resolution

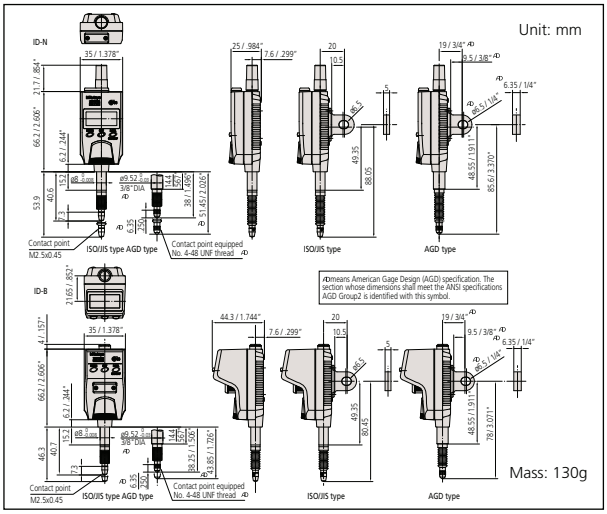
ID-N Digimatic Indicators

Metric Stem ø 8mm M2.5 X 0.45 Thread

Resolution	Range	Order No.	Model No.	Accuracy	Measuring Force
0.01mm	5.0mm	**543-570**	ID-N1012	0.02mm	2.0N or less
0.001mm / 0.01mm	5.0mm	**543-575**	ID-N112	0.003mm	2.0N or less

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

Resolution	Range	Order No.	Model No.	Accuracy	Measuring Force
.0005" / 0.01mm	.5" / 12.7mm	**543-571**	ID-N1012E	.0008" / 0.02mm	2.0N or less
.0005" / 0.01mm .00005" / 0.001mm	.5" / 12.7mm	**543-576***	ID-N112E	.00012" / 0.003mm	2.0N or less

* Switchable resolution

DIMENSIONS AND MASS