

ABSOLUTE Digimatic Indicator ID-N/B

SERIES 543 — with Dust/Water Protection Conforming to IP66

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
543-575

Back plunger type ID-B
543-585

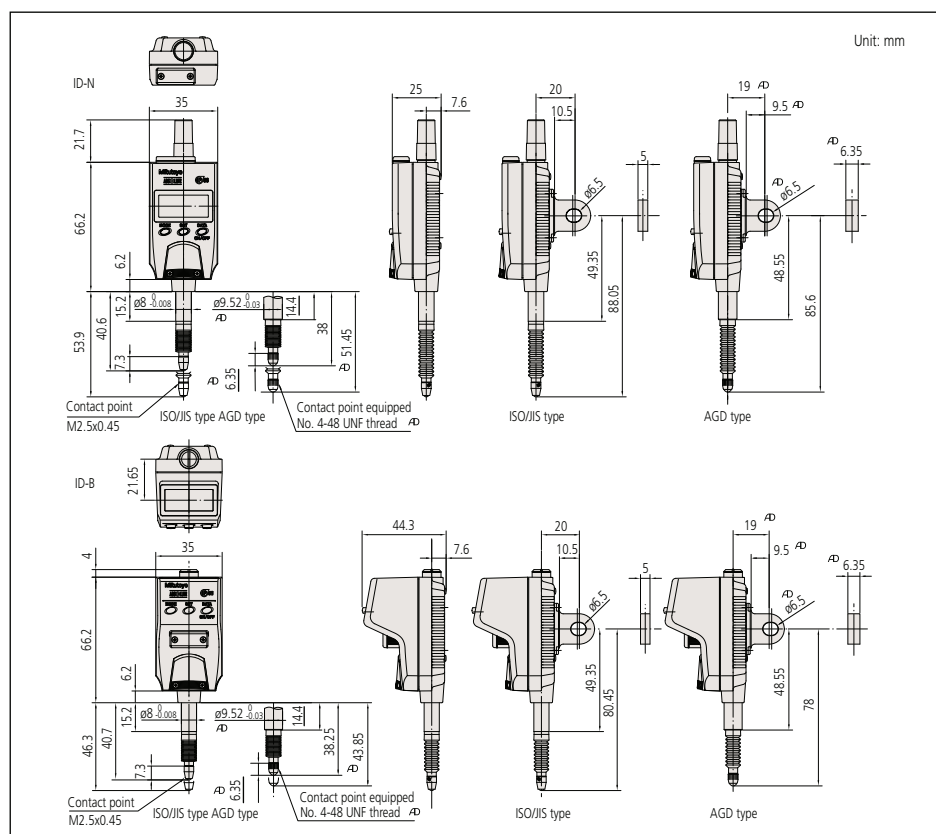
SPECIFICATIONS

Metric				
Resolution	Order No.	Range	Accuracy	Remarks
0.01mm	543-570	12.7mm	0.02mm	Slim type ID-N
0.01mm	543-580	5.0mm	0.02mm	Back plunger type ID-B
0.01mm / 0.001mm	543-575	12.7mm	0.01mm / 0.003mm	Slim type ID-N
0.01mm / 0.001mm	543-585	5.0mm	0.01mm / 0.003mm	Back plunger type ID-B

Inch/Metric				
Resolution	Order No.	Range	Accuracy	Remarks
.0005", 0.01mm	543-571	.5"	.0008"	Slim type ID-N
	543-581	.2"	.0008"	Back plunger type ID-B
0.01mm / 0.001mm	543-576	.5"	.0004" / .00012"	Slim type ID-N
.0005" / .00005"	543-586	.2"	.0004" / .00012"	Back plunger type ID-B

ISO/JIS type ANSI/AGD type

DIMENSIONS



SPC

ABSOLUTE®
Absolute System Patented by MITUTOYO

(Refer to page VIII for details.)

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TÜVRheinland
ID: 4011207400

IP66

(Refer to the page VIII for details.)



Technical Data

Accuracy: Refer to the list of specifications (excluding quantizing error)
Resolution: 0.01mm, 0.01mm/0.001mm, .0005"/0.01mm or .0005"/.00005"/0.01mm/0.001mm
Display: LCD Character Height 6.2mm
Scale type: ABSOLUTE electrostatic linear encoder
Max. response speed: Unlimited
Measuring force: 2.5N (2.0N: Back plunger type)
Stem dia.: 8mm (3/8": inch/metric models)
Contact point: Carbide ball with M2.5x0.45 (#4-48UNF: inch/metric models)
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 7000 hours under normal use
Dust/Water protection level: IP66

Functions

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

Optional Accessories

- 21EZA105:** Lifting knob (for ISO/JIS model)
- 21EZA150:** Lifting knob (for AGD model)
- 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 (1m)
- 21EAA190:** SPC cable (2m)
- 02AZD790G:** SPC cable for U-WAVE(160mm)
- 21EAA210:** Bifurcated connecting cable with zero-setting terminal (1m)
- 21EAA211:** Bifurcated connecting cable with zero-setting terminal (2m)
- : Contact points (See page F-36.)

Lifting knob

