



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, Over-flow 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 (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.)



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
543-576

Back plunger type ID-B
543-586

ID-B Digimatic Indicators

SPECIFICATIONS

Metric		Stem \varnothing 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	.22" / 5.6mm	543-586*	ID-B105E	.00012" / 0.003mm	2.0N or less
.00005" / 0.001mm					

ID-N Digimatic Indicators

Metric		Stem \varnothing 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	.5" / 12.7mm	543-576*	ID-N112E	.00012" / 0.003mm	2.0N or less
.00005" / 0.001mm					

DIMENSIONS AND MASS

