

Digimatic Indicators

SERIES 543 – ABSOLUTE Digimatic Indicators ID-N/B

- Our unique ABSOLUTE sensor restores the last origin position automatically when the indicator is turned on.
- Rated to IP66: can be used satisfactorily even in adverse environments where the indicator is subject to splashing by cutting fluid or coolant.
- Slim body design (body width: only 35 mm) is advantageous in multipoint measurement situations where space is restricted. The LCD readout can also be rotated 180° to allow reading from the most convenient direction.
- Succeeded in digitalization of the Back Plunger type widely used for dial indicators for ID-B. A 5 mm-stroke plunger with a higher degree of accuracy has been implemented by adopting a direct reading scale for plunger displacement.
- The chance of overspeed errors has been eliminated thanks to the ABSOLUTE sensor.
- Built-in tolerance judgement function provides OK, +NG, or –NG judgement of measurement with respect to the preset upper and lower limit values, indicating the status of a measurement with the appropriate symbol. The symbols can be displayed much larger.
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems.
- There is a choice of convenient Interface Input Tools which enable the conversion of measurement data to keyboard signals and direct input to cells in off-the-shelf spreadsheet software such as Excel.

ABSOLUTE

IP66



543-576



543-506

SPECIFICATIONS

Inch/Metric				
Code No.	Resolution	Range	Accuracy*	Price
Slim type ID-N				
543-571	.0005", 0.01 mm	.5", 12.7 mm	.0008", 0.02 mm	£174.00
543-576	.0005"/.00005", 0.01 mm/0.001 mm		.0004"/.00012", 0.01 mm/0.003 mm	£246.00
Back plunger type ID-B				
543-581	.0005", 0.01 mm	.2", 5 mm	.0008", 0.02 mm	£186.00
543-586	.0005"/.00005", 0.01 mm/0.001 mm		.0004"/.00012", 0.01 mm/0.003 mm	£258.00

* Quantizing error of ± 1 count is excluded.

Technical Data

Display:	6-digit LCD and sign
Scale type:	ABSOLUTE electrostatic line encoder
Max. response speed:	Unlimited (measurement by scanning can not be performed)
Measuring force:	2.5 N or less (ID-N) 2.0 N or less (ID-B)
Stem dia:	3/8"
Standard contact point:	21BZA005
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 7,000 hours under normal use

Functions

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



LCD readout rotation function.



Rated to IP66 water- and dust-proofing standard and oil resistance improved.



Body width 35 mm.