

Technical Data

Display:	6-digit LCD and sign
Scale type:	ABSOLUTE electrostatic linear encoder
Stem dia:	8 mm
Standard contact point:	901312
Battery:	SR44 (2 pcs.) 938882
Battery life:	1 year under normal use*1
Dust/water protection level:	IP42

*1 Operation time per day: 8 hours

Functions

Origin-set/Preset, Zero-set, GO/±NG judgement, Power ON/OFF, Data output, inch/mm reading (inch/mm models), Max/Min value holding, Function lock, Data hold
Alarm: Low voltage, Counting value composition error, Overflow error, Tolerance limit setting error

Optional Accessories

905338:	SPC data cable (1 m) £32.90
905409:	SPC data cable (2 m) £36.80
02AZD790F:	SPC data cable for U-WAVE-T (160 mm) £52.20
02AZE140F:	SPC data cable for U-WAVE-T and footswitch (160/500 mm) £107.00
902011:	Plunger lifting lever £2.80
540774:	Plunger lifting cable £20.50
264-504-5E:	Digimatic Mini-Processor DP-1VR £342.00

Contact points for Mitutoyo's dial indicators (refer to pages F-37 to F-40 for details)

Interchangeable backs (refer to page F-41 for details)

Measuring stands (refer to pages F-70 to F-73 for details)



Various fixtures suited for individual workpieces can be prepared. Measuring accuracy is subject to fixture accuracy.

SERIES 543 – ABSOLUTE Digimatic Calculating Indicator ID-C

- This indicator incorporates an internal calculation function that operates from plunger displacement. Using dedicated fixtures, measurements of outside and inside diameter and radius of curvature can easily be made without needing to use conversion tables or manual calculations, and requiring access to only one side of the component to be measured.
- The ABSOLUTE sensor restores the last origin position automatically when the indicator is turned on.
- The chance of over-speed error has been avoided thanks to the ABSOLUTE sensor.
- Tolerance judgement is available by presetting upper and lower limit values.
- Large, easy-to-read LCD 7-digit readout with a character height of 8 mm. Can be rotated up to 330° to achieve the optimum reading position.
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems.

ABSOLUTE

IP42



543-286B

Calculation function: $f(x) = Ax + B + C/x$

x = plunger movement

A, B and C are user definable over a wide range

SPECIFICATIONS

Inch/Metric

Code No.	Range	Resolution (switchable)	Accuracy*	Measuring force	Price
543-286B	.5" / 12.7 mm	.00001" - .05" / 0.0002 - 1 mm	.00012" / 0.003 mm	1.5 N or less	£298.00

* Quantizing error of ±1 count is excluded.

DIMENSIONS

