Mitutoyo

Comparator cu scara bilaterala, 543.

ABSOLUTE Digimatic Indicator Max/Min/RANGE ID-C

Series 543

This indicator is the MAX/MIN/RANGE value holding function model
It offers the following benefits:

- The MAX/MIN/RANGE (run-out value) can be measured
- A fast measurement frequency mode(detection cycle 20ms or 50times/s) is selectable to measure in the peak detection mode (MAX/MIN/RANGE) more reliably
- Coefficient A is freely definable and x = displacement of the plunger
- Easy indicator setup via a setup menu
- Analogue bar graph in the display (12 different scales switchable)
- GO/±NG tolerance judgement function
- This indicator enables the use of a calculation function for the measured value Ax
- Coefficient A is freely definable and x = displacement of the plunger
- Easy indicator setup via setup menu
- A USB interface box can be used to set up the indicator from PC via dedicated software

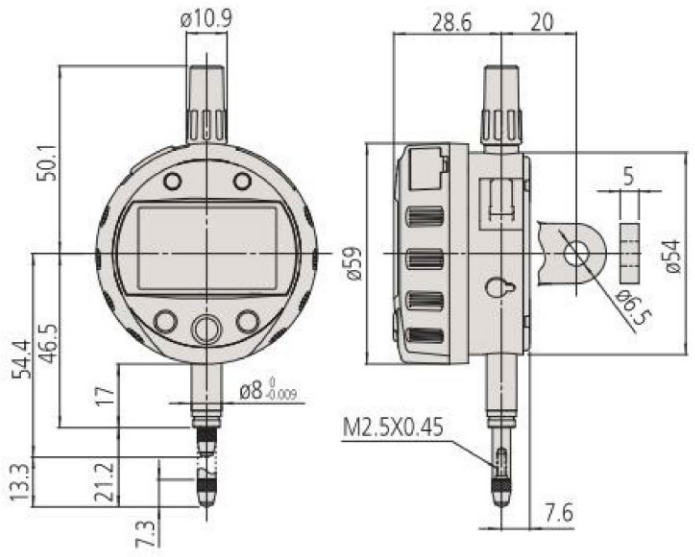
Functions	Series 543
PRESET (x3)	●
ZERO/ABS	●
GO/±NG judgement	●
Digimatic data output	●
ON/OFF	●
Analogue measuring range switchable	●
MAX/MIN/RANGE	●
Lock function	●
Fast measurement mode	●
Counting direction switchable	●
Calculation function	●

Specifications

Accuracy	Refer to the list of specifications (excluding quantizing error)
Measuring force	≤ 1,5 N
Scale	Capacitance ABSOLUTE linear encoder
Max. response speed	Unlimited
Stem Ø	8 mm
Measurement frequency	Standard mode: 10 times/s "Fast" mode: 50 times/s*
Contact point	Carbide ball, thread M 2,5 x 0,45 mm
Alarm	Low voltage, ABS composition error, overflow error, tolerance limit setting error
Power supply	1 battery CR2032
Battery life	Standard mode: approx. 1 year "Fast" mode: approx. 4,5 month
Display	LCD, character height: 8 mm Rotatable 330°



543-300B



Optional accessories

No.	Description	Price €
905338	Digimatic Cable, Flat Straight Type, 1m	
905409	Digimatic Cable, Round 6-Pin Type, 2 m	
02AZD790F	U-WAVE T Connection Cable F, Flat Straight Type	
06ADV380F	USB Input Tool Direct (Digimatic USB) cable, 2m, Flat Straight Type	
21EZA313	USB Interface for PC Setup, ID-C Indicator	
540774	Spindle Lifting Cable, 500mm	
21EZA198	Spindle Lifting Lever, for 12,7mm Range	

Consumable spares

No.	Description	Price €
05SAA217D	Lithium battery CR-2032, 1 pcs.	
901312	Contact Element Ball Point, 7,3mm Length, Carbide, Metric	

Scan QR Code with your mobile device and watch our product videos on YouTube

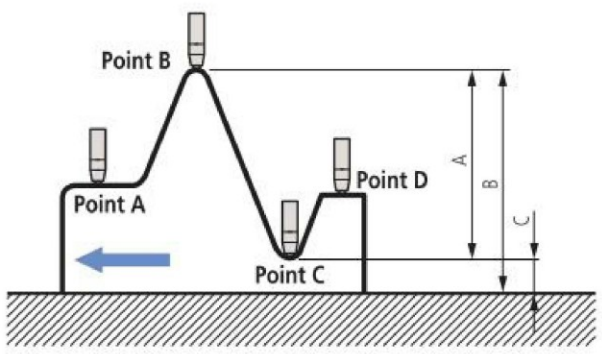
*if the plunger spped is > 50 µm/s the peak value may no be displayed correctly

Metric

No.	No. Lug back plate	Range [mm]	Digital step	Mass [g]
543-300B	543-300	12,7	0,001/0,01 mm	170

Also available! Metric/Inch Models

Also available! Inch/Metric Models



Difference/Runout measurement
Example : Indicator travel from points A to D :
Difference (or Total Runout) is displayed as A.
Dimensions B (maximum value) and C (minimum value) can be measured with a simple key sequence.



543-300B
7001-10

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