

Digimatic Indicators

SERIES 543 - Digimatic High Accuracy/Functionality Indicator ID-H

- This new generation digital indicator offers the excellent accuracy and functionality expected from the top class of indicator.
- Take advantage of its high accuracy backed up by 0.5 µm / 0.00002" resolution, remote control functionality via a handheld controller (or an RS-232C interface) and easy runout measurements with the well established analogue bar display.
- Functionality meets the needs of diverse measurement applications.
- Measuring maximum value, minimum value and runout (difference between a maximum and a minimum value).
- GOMD-GO judgement function: If a judgement result shows an out of tolerance condition the display backlighting changes from green to red.
- With the optional remote controller, operations such as zero setting and presetting can be made without touching the indicator body, thereby avoiding disturbance to the set up.
- An advanced, remote control system can be implemented with the built-in RS-232 interface and a PC.
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems.

DIGIMATIC U-WAVE  

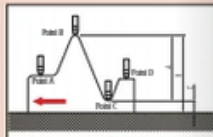
Technical Data

Resolution (analogue)	0.0001", 0.001"/ 0.0025, 0.001 mm
Display	7-digit LCD, sign, and analogue bar with 2-colour backlight
Power supply	9VDC (no AC adapter)
Provisional detection method	Photoelectric type reflection laser resistor
Max. approach speed	1000 mm/min
Spindle direction	Up to direction in which spindle is horizontal
Standard contact point	21EAA005
Lifting lever	21EAA026

Functions

Zero set, preset, GOMD-GO judgement, maximum value hold, manual measurement, resolution switching, counting direction switching, data output, data hold, function lock, inch/mm switching (inch/mm model), alarm (low speed error, setting error, overflow error).

Difference/runout measurement



Example: Indicator travel from points A to D. Difference for total Runout is displayed as A. Dimension B (maximum value) and C (minimum value) can be recalled from memory with a simple prohibition sequence.

Optional Accessories

Code No.	Description	Price
101305	Crotch-leg back	£4.60
930917	SPC data cable (1 m)	£42.00
945014	SPC data cable (1 m)	£61.60
62AZD738G	U-WAVE-T 8P/7 transmitter*	£242.00
62AZD795D	U-WAVE-T data cable (300 mm)	£77.30
62AZD886G	U-WAVE-T transmitter*	£242.00
62AZE140D	U-WAVE-T data cable with four-wire connection (300/300 mm)	£160.00
62AZT200	U-WAVE-T mounting plate	£26.70
60AFM380D	USB input lead direct USB-TTL (2 m)	£143.00
21EAA131	Connecting cable for RS-232C (2 m)	£178.00
21EZA099	Remote controller	£85.60
21EZA101	Spindle lifting knob	£25.60
21UAZ995	Spindle lifting cable	£57.20

Contact points for Mitutoyo's Digimatic indicators refer to pages F-35 to F-38 for details. Measuring stands refer to pages F-67 to F-72 for details.

* U-WAVE-T function required.

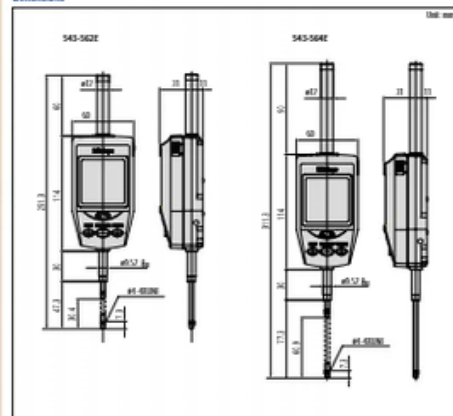


Remote controller (optional)

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Dimensions



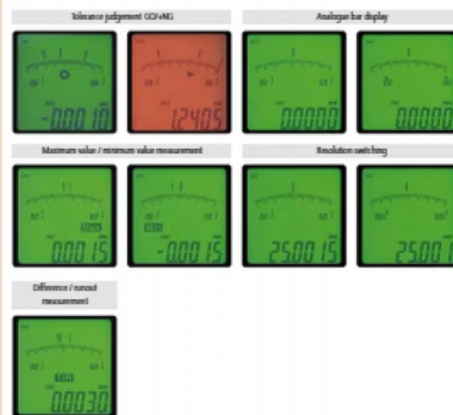
Specifications

Code No.	Range	MPV*	Max. permissible error	Repeatability MPV	Measuring force	Price
543-562Z	1.2"/30.4 mm	±0.0006"/ 0.0015 mm	±0.0006"/ 0.0015 mm	0.0004"/ 0.001 mm	7.0N or less	£803.00
543-564Z	2.4"/60.9 mm	±0.0007"/ 0.0015 mm	±0.0007"/ 0.0015 mm	0.001 mm	2.5N or less	£924.00

* True of indication for the total measuring range.

Note 1: The indicator can output 9P. (Digital data consisting of up to 6 digits in full. If the data consists of 7 digits, the first digit is not output (example: 123.4567 mm is output as 123.456 mm).)

Note 2: The correction for use can be from vertical (center point pointing downwards) to horizontal (spindle in horizontal orientation).



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