

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 / .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).
- 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.



543-562E

543-564E

SPECIFICATIONS

Inch/Metric					
Code No.	Range	Resolution	Accuracy*	Measuring force	Price
543-562E	1.2" / 30.4 mm	.00002", .00005"	.00006" / 0.0015 mm	2.0N or less	£548.00
543-564E	2.4" / 60.9 mm	.0001" / 0.0005 mm, 0.001 mm	.0001" / 0.0025 mm	2.5N or less	£631.00

* Quantizing error of ± 1 count is excluded.

Technical Data

Display:	7-digit LCD, sign, and analog bar with 2-colour backlight
Power supply:	6V DC (via AC adapter)
Positional detection method:	Photoelectric-type reflection linear encoder
Max. response speed:	1000 mm/sec
Plunger direction:	Up to direction in which plunger is horizontal
Standard contact point:	21BZB005
Lifting lever:	137693

Functions

Zero set, Preset, GO/NG judgement
Max/Min value hold, Runout measurement
Resolution switching
Counting direction switching
Data output, Data hold, Function lock
inch/mm reading (inch/mm models)
Alarm: Over speed error, Setting error, Overflow error



Remote controller (optional)

Application

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 recalled from memory with a simple key sequence.

