Digimatic Indicator ID-H

Series 543

Functions	Series 543
ZERO	●
GO/±NG judgement	●
Digimatic data output	●
Digimatic data input	●
ON/OFF	●
DATA/HOLD	●
RS-232C data output*	●
Analogue measuring range switchable	●
Max/Min/Runout value	●
RS-232C data input*	●
Lock function	●
PRESET	●
Counting direction switchable	●
Selectable resolution	●

This is a superior multi-function indicator that gives you high accuracy and high resolution of 0.0005mm.
The Digimatic Indicator ID-H offers you the following benefits:
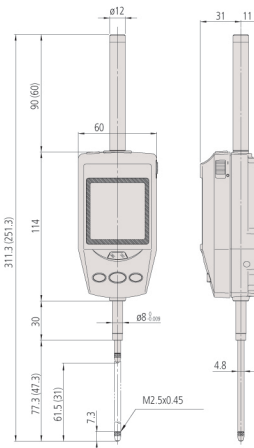- 2-colour LCD backlight (green and red) provides you with visual GO/±NG tolerance judgement and analogue bar-graph display.
- You can display the maximum, minimum or range (runout value) during measurement.
- Lifting mechanism over 30mm with cable release (optional).
- You can carry out zero-setting and presetting with the optional remote controller, without having to touch the indicator.
- The remote control system can be implemented in advance with the built-in RS-232 interface and a PC.
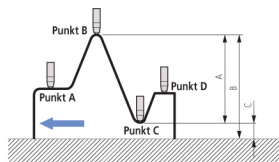- External power supply via AC-Adapter.

Specifications

Accuracy	Refer to the list of specifications (excluding quantizing error)
Scale	Photoelectric linear encoder
Stem Ø	8 mm (ISO/JIS type)
Max. response speed	1000 mm/s
Contact point	Carbide ball, thread M 2.5 x 0.45 mm (ISO/JIS type)
Alarm	Counting value composition error, overflow error, tolerance setting error
Power supply	AC adapter 6 V DC, 2A
Digital step	0,001 mm/0,0005 mm
Display	LCD, character height: 9,5 mm

Standard accessories

No.	Description
06AEG180D	AC Adapter 6V DC, 2A
137693	Lifting handle

Optional accessories

No.	Description
21EZA099	Remote control
540774	Spindle lifting cable
21EZA101	Spindle lifting knob
543-004D	Digimatic Presetter
Digimatic Signal Cables	
936937	Digimatic cable (1 m)
965014	Digimatic cable (2 m)
02AZD790D	Connecting cable U-Wave
06ADV380D	USB Input Tool Direct cable (2 m)
21EAA130	RS-232C cable (1 m)
21EAA131	RS-232C cable (2 m)

540774 : moving measuring range max. 30 mm

Consumable spares

No.	Description
011511	Battery for remote control (4 x LR03)
901312	Standard contact point

* RS-232 Input/Output
Connect this instrument with an external device such as a PC using the RS-232 dedicated cable (optional accessory). With this connection it is possible to perform initial setup of the instrument, control of switching a measurement mode, etc., and processing such as measurement data transfer.

543-561D

21EZA099
Remote Control:
Data export
Reset Max/Min/TIR
Max/Min/TIR switchover
Call PRESET value

Metric				
No.	**Range [mm]**	**Accuracy**	**Measuring force [N]**	**Mass [g]**
543-561D	30.4	0,0015 mm	≤ 2,0	290
543-563D	60.9	0,0025 mm	≤ 2,5	305

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 recalled from memory with a simple key sequence.

The display switches from green to red backlight if the upper or lower tolerance limit is exceeded

Max/Min/TIR value measurement

Digimatic presetter (optional) : External keyboard for entering tolerance data or preselecting values

Mitutoyo