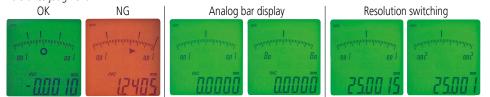
MeasurLink[®] ENABLED ata Management Sofi



Digimatic Indicator ID-H SERIES 543 — High Accuracy and High Functionality Type

- A top-level digital indicator that supports high accuracy and multi-functional measurement.
- Take advantage of its high accuracy backed up by 0.0005 mm/0.00002 inch inch resolution, remote control functionality via a handheld controller (or an RS-232C interface) and easy runout measurements with the well-established analog bar display.
- Functionality meets the needs of diverse measurement applications.
- Tolerance judgment



Measuring maximum value, minimum value and runout (MAX - MIN)

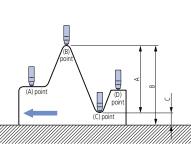
Difference (or Total Runout) is displayed as <A>. Dimensions (maximum value) and <C> (minimum value) can be

retrieved from memory with a simple key sequence or using



Example: Indicator traces between points <A> to <D>

the remote control (optional).



- 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-232C interface and a PC.
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems. (Refer to page A-3)



Remote controller (optional)



Lifting cable

Remote





Technical Data

- Display: 7-digit LCD, sign, and analog bar with 2-color Power supply: 5.9 V DC (via AC adapter) 06AGZ369*
- To denote your AC power cable add the following suffixes to the order No.: JA for UL/CSA and PSE,
 D for CEE, DC for CCC, E for BS, K for KC, No suffix is required for JIS/100 V
- Positional detection method: Photoelectric-type reflection linear encoder
- Maximum response speed: 1000 mm/s
- Lifting lever: 21EAA426 (standard accessory)
- **Optional Accessories**
- Remote controller: 21EZA099
- Lifting
- Lifting cable: **21JZA295** (stroke 30 mm) Lifting knob: **21EZA101** SPC Cable:
- 936937 (1 m)
- 965014 (2 m)
- USB Input Tool Direct (2 m): 06AFM380D
- Input Tool Series
- IT-020U (USB Keyboard Signal Conversion Type): 264-020 IT-007R (RS-232C Communication Conversion Type):
- 264-007 Connecting Cables for U-WAVE-T (160 mm): 02AZD790D
- For foot switch: 02AZE140D
- RS-232C Connecting cable (2 m): 21EAA131 Lug-on-center back: 101040 (ISO/JIS type) 101306 (ASME/ANSI/AGD type)
- Contact points for Mitutoyo's digimatic indicators (Refer to pages F-57 to F-60 for details.)
- Digimatic Mini-Processor DP-1VA LOGGER: 264-505
- Granite comparator stands (Refer to page F-88 for details.)
- Comparator stands (Refer to page F-90 for details.)

Comparator stand 215-505-10



F-21

543-563



Mitutoyo

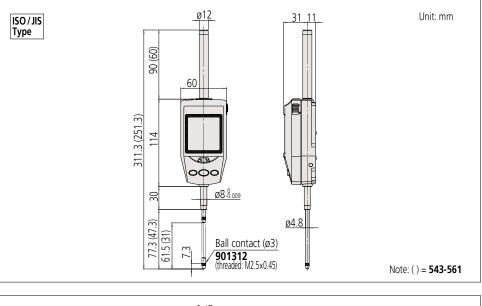
SPECIFICATIONS Metric

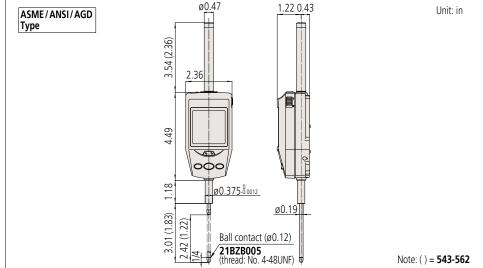
Order No.*1	Range (mm)	Resolution (mm)	Maximum permissible error (mm)			Manuring force	Not mass
			MPEe*2	Hysteresis MPEH	Repeatability MPE _R	Measuring force MPL (N)	Net mass (g)
543-561	30.4	0.0005/ 0.001 (selectable)	0.0015	0.0015	0.001	2.0 or less	290
543-563	60.9		0.0025	0.0025		2.5 or less	305

Inch/Metric	I				ISO/JIS ty	pe 📃 ASME/AI	NSI/AGD type
Order No.*1	Range	Resolution	Maxim MPEE* ²	<u>num permissible e</u> Hysteresis МРЕн	rror Repeatability MPE _R	Measuring force MPL (N)	Net mass (g)
543-562	1.2 in /30.4 mm	0.00002/ 0.00005/ 0.0001 in,	±0.00006 in/ 0.0015 mm	0.00006 in/ 0.0015 mm	0.00004 in/ 0.001 mm	2.0 or less	300
543-564	2.4 in /60.9 mm	0.0005/ 0.001 mm (selectable)	±0.0001 in/ 0.0025 mm	0.0001 in/ 0.0025 mm		2.5 or less	

*1 To denote your AC power cable add the following suffixes to the order No.: A for UL/CSA, D for CEE, DC for CCC, E for BS, K for KC, No suffix is required for JIS/100 V
 *2 Error of indication for the total measuring range
 Note 1: The indicator can output SPC (Digimatic) data consisting of up to 6 digits in full. If the data consists of 7 digits the first digit is not output (example: 123.4565 mm is output as 23.4565 mm).
 Note 2: Regarding origin setting, refer to "Origin Setting of Digimatic Indicators" on page F-25.
 Note 3: The orientation for use can be from vertical (contact point pointing downward) to horizontal (spindle in horizontal orientation).

DIMENSIONS





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