MeasurLink ENABLED
Data Management Software by Mitutoyo

Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink (refer to page A-5 for details).

PROPRIETARY INSPECTION CERTIFICATE
Mitutoyo guarantees the product quality

An inspection certificate is supplied as standard. Refer to page U-11 for details.

Technical Data

- Display: 7-digit LCD, sign, and analog bar with 2-color backlight
- Power supply: 6 V DC (via AC adaptor) **06AFZ950***
* 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: **137693**

Optional Accessories

- Remote controller: **21EZA099**
- Lifting
  Lifting cable: **540774** (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-016U (USB Keyboard Signal Conversion Type): **264-016-10**
  IT-007R (RS-232C Communication Conversion Type): **264-007**
  Refer to page F-66 for details.
- Connecting Cables for **U-WAVE-T** (160 mm): **02AZD790D**
  For foot switch: **02AZE140D**
  Refer to page F-66 for details.
- 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 dial indicators (Refer to pages F-57 to F-60 for details.)
- Digimatic Mini-Processor **DP-1VA LOGGER**: **264-505**
- Granite comparator stand: **215-156-10**
- Comparator stand: **215-505-10**

Comparator stand
215-505-10

Remote controller

Spindle lifting cable

Spindle lifting knob

Digimatic Indicators

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

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

MeasurLink ENABLED
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- 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 0.0005 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

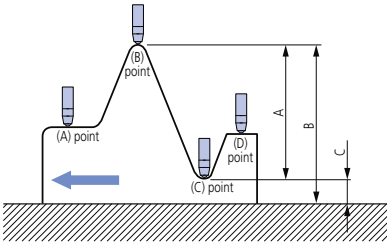
OK NG Analog bar display Resolution switching

- Measuring maximum value, minimum value and runout (difference between a maximum and a minimum value)

Maximum value/minimum value measurement

Difference/runout measurement

Example: Indicator traces between 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.



- 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)

543-561

543-563

F

Mitutoyo

Digimatic Indicators

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

SPECIFICATIONS

Metric

Order No.*1	Range (mm)	Resolution (mm)	Accuracy*2 (mm)
543-561	30.4	0.0005, 0.001	0.0015
543-563	60.9		0.0025

*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 Quantizing error of ±1 count is excluded.

Inch / Metric ISO/JIS type ASME/ANSI/AGD type

Order No.*1	Range	Resolution	Accuracy*2
543-562	1.2 in /30.4 mm	0.00002 in, 0.00005 in, 0.0001 in, 0.0005 mm, 0.001 mm	0.00006 in/ 0.0015 mm
543-564	2.4 in /60.9 mm		0.0001 in/ 0.0025 mm

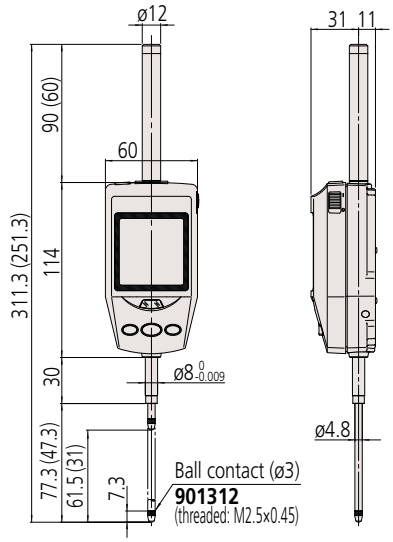
*1 To denote your AC power cable add the following suffixes to the order No.: **A** for UL/CSA, **D** for CEE, **DC** for CCC, **E** for BS, **K** for KC, **No suffix** is required for JIS/100 V
*2 Quantizing error of ±1 count is excluded.

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.

DIMENSIONS

ISO/JIS Type

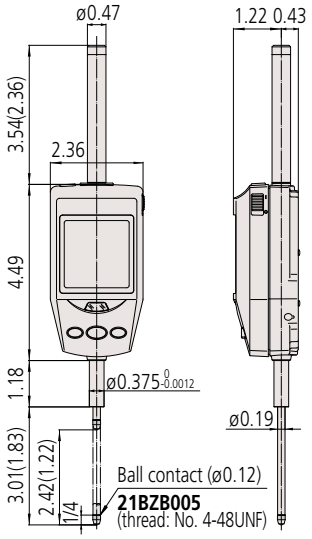
Unit: mm



Note: ( ) = **543-561**

ASME/ANSI/AGD Type

Unit: in



Note: ( ) = **543-562**

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