



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

### Functions

- Minimum value detection
- Preset (3 Preset values can be stored)
- Tolerance judgment  
(3 sets of upper and lower limits can be stored)
- Resolution selection
- Analog bar resolution selection
- Key lock
- Display hold (when no external device is connected)
- Data saving/calling  
(when no external device is connected)
- Data output
- External PC setting input
- Display rotation (330°)
- Low battery voltage alarm display
- Error alarm display

### Optional Accessories

- SPC Cable:  
**905338** (1 m)  
**905409** (2 m)
- USB Input Tool Direct (2 m): **06AFM380F**
- 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):  
**02AZD790F**  
For foot switch: **02AZE140F**  
Refer to page F-66 for details.
- Digimatic Mini-Processor **DP-1VA LOGGER**: **264-505**
- Parameter setup kit: **21EZA313**  
Note: Parameter setting software (can be downloaded for free from the Mitutoyo website) is also required.

### The ABSOLUTE Digimatic Bore Gage



ABSOLUTE Digimatic Bore Gages, which integrate the display with a bore gage measuring unit, are also available. Refer to pages C-43 and C-44 for details.



# Digimatic Indicators

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

## ABSOLUTE Digimatic Indicator ID-C SERIES 543 — Bore Gage Type

MeasurLink<sup>®</sup> ENABLED  
Data Management Software by Mitutoyo

- Dedicated to inside measurement with minimum-value Hold and tolerance judgment functions\*1.
- Measurement data memory function (9 measurement results can be stored)
- Simple operation of many functions with five buttons and status icons.
- Wide LCD and new analog bar graph are now standard on all models.
- The ABS (absolute) scale restores the last origin position\*2 automatically when the indicator is turned on, and realizes high reliability by eliminating over-speed errors.
- By using the parameter setup kit (optional) and the dedicated software, the functions and the parameters can be configured using a computer.
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems (refer to page A-3).

\*1 Tolerance judgment results cannot be output.  
\*2 Regarding origin setting, refer to "Origin Setting of Digimatic Indicators" on page F-25.



**543-310B**

Usage example  
The Bore Gage  
is optional.

### SPECIFICATIONS

Metric		Accuracy*3 (mm)					Power supply	Battery life (normal use)*5	Net weight (g)
Order No.	Range (mm)	Resolution (mm)	Overall*4	Hysteresis	Repeatability				
<b>543-310B</b>	12.7	0.001/0.01	0.003	0.002	0.002	CR2032 x 1 pc.	Approx. 1 year	170	

  

Inch / Metric		Accuracy*3					Power supply	Battery life (normal use)*5	Net weight (g)
Order No.	Range	Resolution	Overall*4	Hysteresis	Repeatability				
<b>543-311B</b>	0.5 in / 12.7 mm	0.00005/0.0001/0.0005 in / 0.001/0.01 mm	±0.00010 in / 0.003 mm	0.00010 in / 0.002 mm	0.00010 in / 0.002 mm	CR2032 x 1 pc.	Approx. 1 year	170	
<b>543-312B</b>									

\*3 Quantizing error of ±1 count is excluded.

\*4 Overall magnification and linearity.

\*5 Applies only if not connected to a data processor. Battery life depends on use of the indicator. Use the above value as a guide only. Note: Flat back type only.

# Digimatic Indicators

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

## DIMENSIONS

