

# Digimatic Indicators

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

## ABSOLUTE Digimatic Indicator ID-U SERIES 575 — Slim and Economical Design

- General-purpose indicator with a measuring range of 25.4 mm and a resolution of 0.01 mm.
- Cost-effective and user-friendly type which is equipped with only the basic functions necessary.
- The ABS (absolute) scale restores the last origin position\* automatically when the indicator is turned on, and realizes high reliability by eliminating over-speed errors.
- Battery life of approx. 20,000 hours in continuous use has been achieved.
- Easy-to-read large LCD readout with a character height of 8 mm.
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems. (Refer to page A-3)

\* Regarding origin setting, refer to "Origin Setting of Digimatic Indicators" on page F-25.

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

General-purpose type



575-121

## SPECIFICATIONS

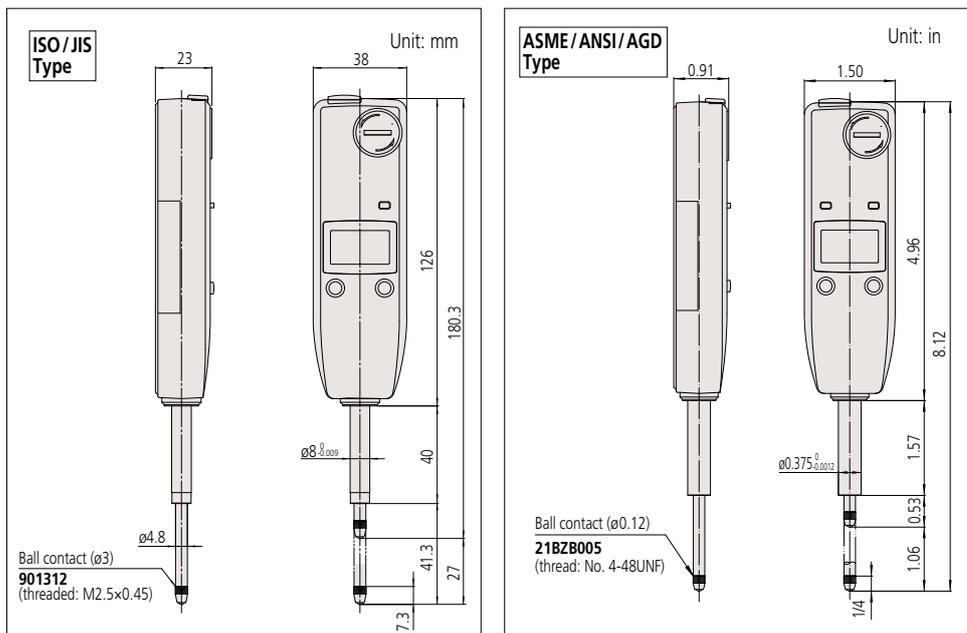
Metric						
Order No.	Range (mm)	Resolution (mm)	Maximum permissible error (mm)			Measuring force MPL (N)
			MPE <sub>E</sub> *	Hysteresis MPE <sub>H</sub>	Repeatability MPE <sub>R</sub>	
575-121	25.4	0.01	0.02	0.02	0.01	1.8 or less

□ ISO/JIS type   □ ASME/ANSI/AGD type

Inch/Metric						
Order No.	Range	Resolution	Maximum permissible error			Measuring force MPL (N)
			MPE <sub>E</sub> *	Hysteresis MPE <sub>H</sub>	Repeatability MPE <sub>R</sub>	
575-122	1 in/	0.0005 in/	±0.001 in/0.02 mm	0.001 in/	0.0005 in/	1.8 or less
575-123	25.4 mm	0.01 mm				

\* Error of indication for the total measuring range

## DIMENSIONS



**MeasurLink<sup>®</sup> 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).

**ABSOLUTE<sup>™</sup>**



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

## Technical Data

- Display: 5-digit LCD, sign
  - Battery: SR44 (1 pc.), **938882** for initial operational checks (standard accessory)
  - Battery life: Approx. 20,000 hours of continuous use. Approx. 5 years under normal use.
- Note: It varies depending on use frequency and method. Please take the values as rough indications.
- Lifting lever: **137693**

## Function

- Origin set (Zero-setting)
- Direction switching
- Data output
- Low battery voltage alarm display
- Error alarm display

## Optional Accessories

- Spindle lifting cable (stroke: 10 mm): **21JZA295**
  - Contact points for Mitutoyo's dial indicators (Refer to pages F-57 to F-60 for details.)
  - SPC Cable: **905338** (1 m) **905409** (2 m) (Refer to pages A-27 to A-29 for details.)
  - USB Input Tool Direct (2 m): **06AFM380F**
- Note: Please separately purchase **USB-ITPAK** since there is no data output switch on the measurement instrument. Refer to pages A-13, A-22 to A-24 for details.
- Input Tool Series **IT-016U** (USB Keyboard Signal Conversion Type): **264-016-10**
  - Input Tool Series **IT-007R** (RS-232C Communication Conversion Type): **264-007** (Refer to page A-14 for details.)
  - Connecting Cables for **U-WAVE-T** (160 mm): **02AZD790F**
  - For foot switch: **02AZE140F**
  - Refer to pages A-19 to A-21 for details.
  - Digimatic Mini-Processor **DP-1VA LOGGER**: **264-505**
  - Measuring stands (Refer to pages F-84 to F-91 for details.)