

Technical Data

Accuracy: Refer to the list of specifications
(Excluding quantizing error of ± 1 count)
Resolution: 0.01mm, .0005"/0.01mm
Display: 5-digit and sign
Scale type: ABSOLUTE electrostatic linear encoder
Max. response speed: Unlimited (Measurement by scanning cannot be performed)
Measuring force: Refer to the list of specifications
Stem dia.: 8mm (ISO/JIS type) or 3/8" (ANSI/AGD type)
Standard contact point: **901312** (ISO/JIS type)
21BZB005 (ANSI/AGD type)
Battery: SR44 (1 pc.), **938882** for initial operational checks (standard accessory)
Battery life: Approx. 20,000 hours of continuous use
Dust/Water protection level: IP42
Lifting lever: **137693**

Function

Origin-set (Zerose), Counting direction switching,
Power ON/OFF, Data output,
inch/mm conversion (inch/mm models)
Alarm: Low voltage, Counting value composition error

Optional Accessories

- Spindle lifting cable (stroke: 10mm) : **No.540774**
- SPC Cable:
No.905338 (1m)
No.905409 (2m)
- USB Input Tool Direct (2m) : **No.06ADV380F**
- Connecting Cables for U-WAVE-T (160mm):
No.02AZD790F
For footswitch : **No.02AZE140F**
Refer to page F-60 for details.
- Digimatic Mini-Processor DP-1VR: **264-504**
- Contact points for Mitutoyo's dial indicators
(Refer to pages F-46 to F-49 for details.)
- Measuring stands
(Refer to page F-79 to F-85 for details.)

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

- General purpose indicator with the measuring range of 25.4mm/ 1".
- Cost-effective and user-friendly type which is equipped with the basic functions necessary.
- The ABS (absolute) sensor restores the last origin position automatically when the indicator is turned on, and realizes high reliability by eliminating over-speed errors. Regarding origin setting, refer to "Origin Setting of Digimatic Indicators" on page F-18.
- Battery life of 20,000 hours in continuous use has been achieved.
- Easy-to-read large LCD readout with the character height of 8mm.
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems.

General-purpose type



575-121

SPECIFICATIONS

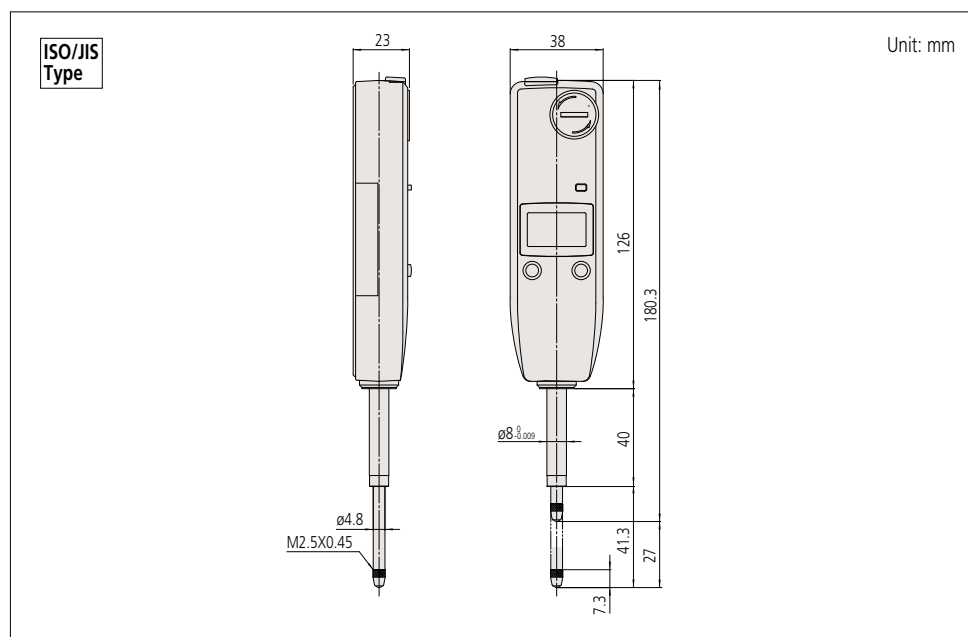
Metric					
Order No. (w/ lug, flat-back)	Range	Resolution	Accuracy*	Measuring force	
—	575-121	25.4mm	0.01mm	0.02mm	1.8N or less

Inch/Metric					
Order No. (w/ lug, flat-back)	Range	Resolution	Accuracy*	Measuring force	
—	575-122	1" / 25.4mm	.0005"/0.01mm	.001" / 0.02mm	1.8N or less
—	575-123				

*Quantizing error of ± 1 count is excluded

*Flat back only

DIMENSIONS



Note 1: Dimensions of the inch (ANSI/AGD Type) dial indicator partly differ from those of the metric (ISO/JIS Type) indicator.

Note 2: Inch (ANSI/AGD Type) dial indicators are provided with a stem of 3/8" dia. and #4-48UNF thread mount for the contact point.