ABSOLUTE Digimatic Indicator ID-U

SERIES 575 — Slim and Economical Design

SPC

ABSOLUTE®
Absolute System Patented by MITUTOYO

(Refer to page VIII for details.)

Technical Data

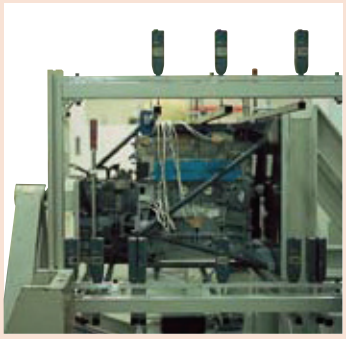
Accuracy: Refer to the list of specifications (excluding quantizing error)
Resolution: 0.01mm or .0005"/0.01mm,
Display: LCD Character Height 8mm
Scale type: ABSOLUTE electrostatic linear encoder
Max. response speed: Unlimited
Measuring force: Refer to the list of specifications
Stem dia.: 8mm (ISO/JIS type) or 3/8" (ANSI/AGD type)
Contact point: Carbide ball with M2.5x0.45 (ISO/JIS type)
Carbide ball with #4-48UNF (ANSI/AGD type)
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 20,000 hours under normal use
Dust/Water protection level: IP42

Function

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

Optional Accessories

905338: SPC cable (1m)
905409: SPC cable (2m)
02AZD790F: SPC cable for U-WAVE(160mm)
540774: Spindle lifting cable (stroke: 10mm)
———: Contact points (See page F-36.)



Application example

FEATURES

- Slim type digital indicator with a low price.
- Large LCD and simple key operation.
- The ID-U displays the absolute position of the spindle from the origin point at power-on.
- Zero-setting is performed with the ORIGIN button, and this setting does not have to be repeated for the entire life of the battery, even after power-off.
- Ideal for installation into measuring devices because of its compact design and long battery life.
- The ABSOLUTE Encoder eliminates spindle over-speed error and prevents electrical noise interference errors.
- SPC data output.

575-121

IP42

SPECIFICATIONS

Metric

ISO/JIS type ANSI/AGD type

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

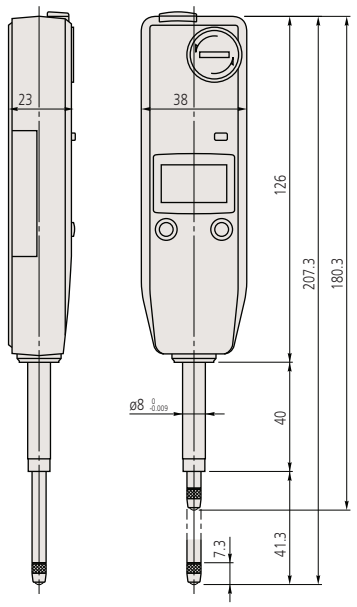
Inch/Metric

Resolution	Order No. (w/ lug, flat-back)		Range	Accuracy	Measuring force	Remarks
.0005"/0.01mm	—	**575-122**	1"	.0008"	1.8N or less	—
.0005"/0.01mm	—	**575-123**	1"	.0008"	1.8N or less	—

DIMENSIONS

ISO/JIS Type

Unit: mm



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 indicator is provided with a stem of 3/8" dia. and #4-48UNF thread mount for the contact point.

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Mitutoyo