

# ABSOLUTE Digimatic Indicator ID-U

**SERIES 575 — With Slim and Simple Design**

## FEATURES

- Slim digital indicator with low price.
- Large LCD and simple key operation.
- After the initial origin setting, the ID-U no longer needs absolute positioning over entire battery life; the origin is remembered even after power-off.
- Ideal for installation into measuring devices because of compact design and long battery life.
- Employing the ABSOLUTE linear encoder, the ID-U always displays the spindle "Absolute Position" from the origin at power-on. Also unlimited response speed eliminates over-speed errors.
- Flat back type only has no option for backs.
- SPC data output.



## SPECIFICATIONS

**Inch/Metric** Stem dia. 3/8", #4-48 UNF Thread    ISO/JIS type    ANSI/AGD type

| Resolution    | Range       | Order No.      | Model     | Accuracy | Measuring force |
|---------------|-------------|----------------|-----------|----------|-----------------|
| .0005"/0.01mm | 1" / 25.4mm | <b>575-123</b> | ID-U1025E | .0008"   | 1.8N or less    |

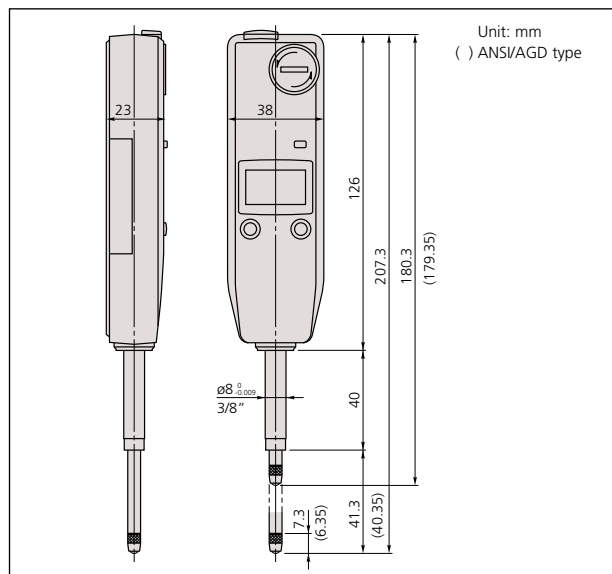
**Inch/Metric** Stem ø 8mm, M2.5 x 0.45 Thread

| Resolution    | Range       | Order No.      | Model     | Accuracy | Measuring force |
|---------------|-------------|----------------|-----------|----------|-----------------|
| .0005"/0.01mm | 1" / 25.4mm | <b>575-122</b> | ID-U1025M | .0008"   | 1.8N or less    |

**Metric** Stem ø 8mm, M2.5 x 0.45 Thread

| Resolution | Range  | Order No.      | Model    | Accuracy | Measuring force |
|------------|--------|----------------|----------|----------|-----------------|
| 0.01mm     | 25.4mm | <b>575-121</b> | ID-U1025 | 0.02mm   | 1.8N or less    |

## DIMENSIONS



**SPC**

**ABSOLUTE®**  
Absolute System Patented by MITUTOYO

## Technical Data

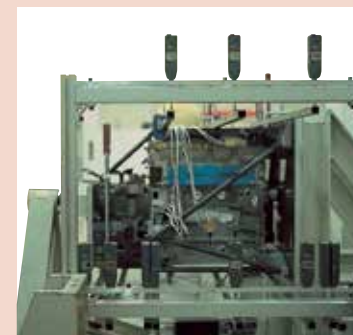
Accuracy: Refer to the list of specifications  
Resolution: 0.01mm or .0005"/0.01mm,  
Display: LCD  
Length standard: ABSOLUTE electrostatic capacitance type linear encoder  
Max. response speed: Unlimited  
Measuring force: Refer to the list of specifications  
Battery: SR44 (1 pc.), **938882**  
Battery 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 (on inch/metric models only)  
Alarm: Low voltage, Counting value composition error, Over-flow error

## Optional Accessories

**905338:** SPC cable (40" / 1m)  
**905409:** SPC cable (80" / 2m)  
**540774:** Spindle lifting cable (stroke: .4" / 10mm)  
—: Contact points (See page F-34.)



Application example