

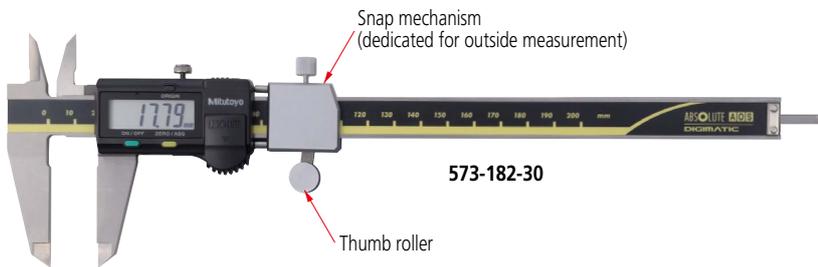
# Calipers

An industry standard measuring tool

## ABSOLUTE Snap Caliper SERIES 573

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

- An ABSOLUTE electromagnetic induction linear encoder system is incorporated.
- Snap mechanism allows continuous and easy measurement without moving the slider by using the lever.
- Allows efficient continuous measurement of workpieces during acceptance inspection or mass production.
- Allows step measurement
- Displacement of snap part is 2 mm.
- Measuring force: 7 N to 14 N
- Absolute type. (Refer to page D-6 for details on the Absolute function.)
- Slider action is smooth, firm and comfortable.
- Allows integration into statistical process control and measurement systems for models with measurement data output connector. (Refer to page A-3.)

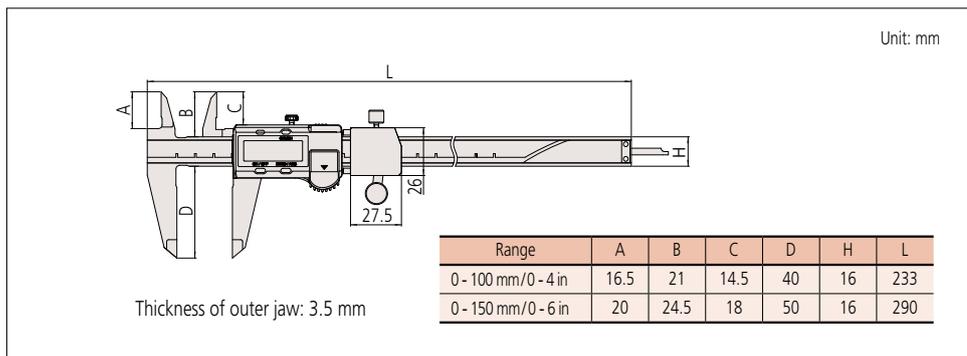


## SPECIFICATIONS

Metric			Inch / Metric		
Order No.	Range (mm)	Accuracy (mm)*	Order No.	Range (in)	Accuracy (in)*
573-181-30	0 - 100	±0.02	573-281-30	0 - 4	±0.001
573-182-30	0 - 150	±0.02	573-282-30	0 - 6	±0.001

\* Excluding quantizing error.  
Note: Dedicated for outside measurement (depth bar is not fitted).

## DIMENSIONS



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>**



## Technical Data

- Accuracy: Refer to the list of specifications. (excluding quantizing error)
- Resolution: 0.01 mm or 0.0005 in/0.01 mm
- Repeatability: 0.01 mm
- Display: LCD
- Scale type: ABSOLUTE electromagnetic inductive linear encoder
- Jaw retraction: 2 mm
- Max. response speed: Unlimited
- Battery: SR44 (1 pc), **938882**, for initial operational checks (standard accessory)
- Battery life: Approx. 3.5 years under normal use

## Optional Accessories

For details, refer to page A-27.

- **959143**: Data hold unit
- Connecting cables for **IT / DP / MUX**
- **959149**: SPC cable with data button (1 m)
- **959150**: SPC cable with data button (2 m)
- USB Input Tool Direct
- **06AFM380C**: SPC cable for **USB-ITN-C** (2 m)
- Connecting cables for **U-WAVE-T**
- **02AZD790C**: SPC cable with data button (160 mm)
- **02AZE140C**: SPC cable for foot switch

## Wireless Data Output **U-WAVE<sup>fit</sup>**

- **U-WAVE-TC: 264-620** (IP67 type)
- **264-621** (Buzzer type)
- **U-WAVE-TCB Transmitter (Mitutoyo Bluetooth<sup>®</sup> U-WAVE)**
- **264-624** (IP type)
- **264-625** (Buzzer type)
- Refer to page A-15 for details.
- Connecting unit for **U-WAVE-TC/TCB:**
- **02AZF300** (Buzzer type)
- Note: IP67 model is water/dust-proofed suitable for the factory floor.
- Buzzer type is not water/dust-proofed.
- Refer to pages A-16 and A-18 for details.

# Connecting Optional Measurement Data Recording Tools to Calipers and Height Gages

## For Coolant Proof Calipers (Connector type A)

### Dedicated connecting cables (optional)

Interface for connecting to a PC or PLC, dedicated printer or an RS-232C connecting cable.

- PC connection (wired system) --- **USB Input Tool** (refer to page A-13)

**USB-ITN-A (2 m): 06AFM380A**



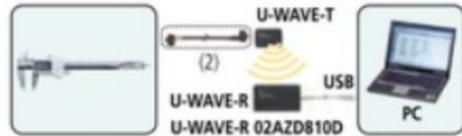
**Dedicated cable for models with SPC data output**

- (1) 1 m: **05CZA624**
- 2 m: **05CZA625**

- PC connection (wireless system) --- **U-WAVE** (refer to page A-15)

**U-WAVE-T (IP67): 02AZD730G**

**U-WAVE-T (buzzer): 02AZD880G**



**Dedicated cable for models with SPC data output**

- (2) For standard 160 mm: **02AZD790A**
- For foot switch: **02AZE140A**

- **Dedicated printer connection (only for a wired system)** --- **DP-1VA LOGGER** (refer to page A-23)

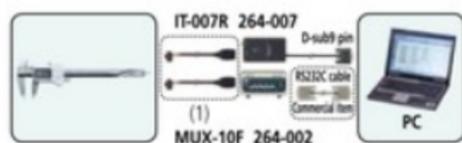


**Dedicated cable for models with SPC data output**

- (1) 1 m: **05CZA624**
- 2 m: **05CZA625**

- **Connecting to PC, PLC, etc., by RS-232C communication (only for a wired system)**

--- **IT-007R** (refer to page A-14), **MUX-10F** (refer to page A-24)



**Dedicated cable for models with SPC data output**

- (1) 1 m: **05CZA624**
- 2 m: **05CZA625**

## For Digimatic Calipers other than coolant proof type (Connector type C)

### Dedicated connecting cables (optional)

Interface for connecting to a PC or PLC, dedicated printer or an RS-232C connecting cable.

- PC connection (wired system) --- **USB Input Tool** (refer to page A-13)

**USB-ITN-C (2 m): 06AFM380C**



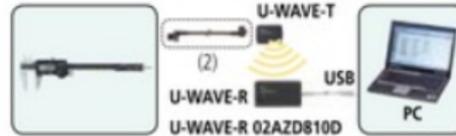
**Dedicated cable for models with SPC data output**

- (1) 1 m: **959149**
- 2 m: **959150**

- PC connection (wireless system) --- **U-WAVE** (refer to page A-15)

**U-WAVE-T (IP67): 02AZD730G**

**U-WAVE-T (buzzer): 02AZD880G**



**Dedicated cable for models with SPC data output**

- (2) For standard 160 mm: **02AZD790C**
- For foot switch: **02AZE140C**

- **Dedicated printer connection (only for a wired system)** --- **DP-1VA LOGGER** (refer to page A-23)

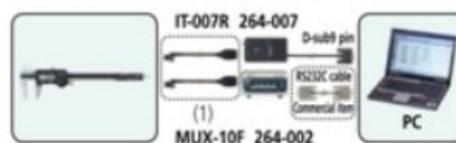


**Dedicated cable for models with SPC data output**

- (1) 1 m: **959149**
- 2 m: **959150**

- **Connecting to PC, PLC, etc., by RS-232C communication (only for a wired system)**

--- **IT-007R** (refer to page A-14), **MUX-10F** (refer to page A-24)



**Dedicated cable for models with SPC data output**

- (1) 1 m: **959149**
- 2 m: **959150**

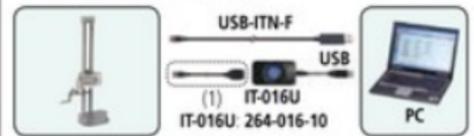
## For Digimatic Height Gages (Connector type F)

### Dedicated connecting cables (optional)

Interface for connecting to a PC or PLC, dedicated printer or an RS-232C connecting cable.

- PC connection (wired system) --- **USB Input Tool** (refer to page A-13)

**USB-ITN-F (2 m): 06AFM380F**



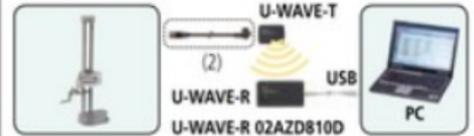
**Dedicated cable for models with SPC data output**

- (1) 1 m: **905338**
- 2 m: **905409**

- PC connection (wireless system) --- **U-WAVE** (refer to page A-18)

**U-WAVE-T (IP67): 02AZD730G**

**U-WAVE-T (buzzer): 02AZD880G**



**Dedicated cable for models with SPC data output**

- (2) For standard 160 mm: **02AZD790F**
- For foot switch: **02AZE140F**

- **Dedicated printer connection (only for a wired system)** --- **DP-1VA LOGGER** (refer to page A-23)

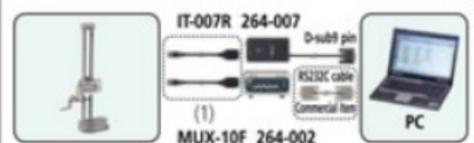


**Dedicated cable for models with SPC data output**

- (1) 1 m: **905338**
- 2 m: **905409**

- **Connecting to PC, PLC, etc., by RS-232C communication (only for a wired system)**

--- **IT-007R** (refer to page A-14), **MUX-10F** (refer to page A-24)



**Dedicated cable for models with SPC data output**

- (1) 1 m: **905338**
- 2 m: **905409**