

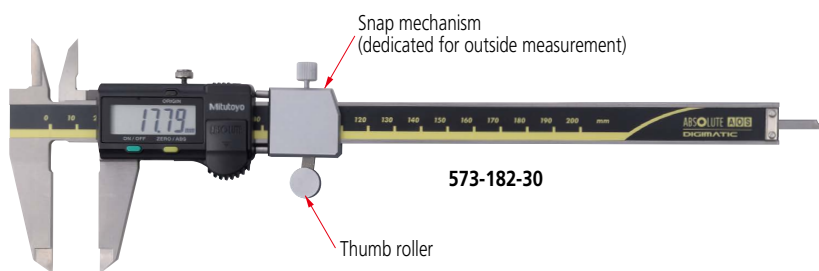
Calipers

An industry standard measuring tool

ABSOLUTE Snap Caliper SERIES 573

MeasurLink[®] 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.)



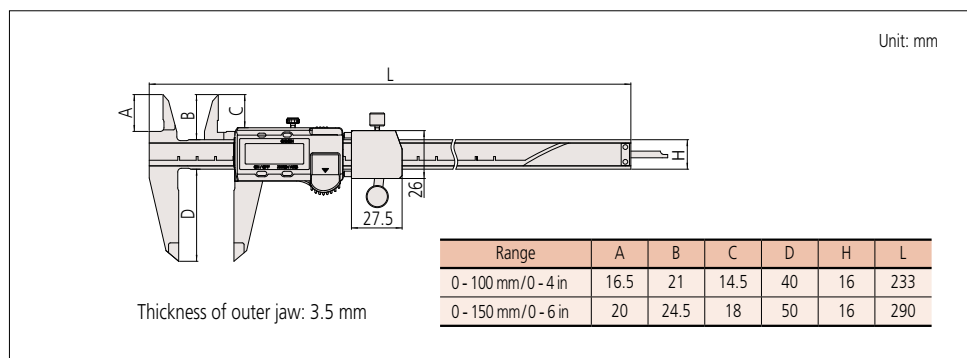
SPECIFICATIONS

Metric		
Order No.	Range (mm)	Accuracy (mm)*
573-181-30	0 - 100	±0.02
573-182-30	0 - 150	±0.02

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

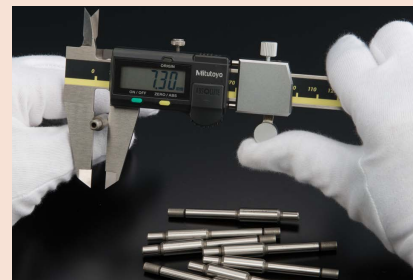
Inch / Metric		
Order No.	Range (in)	Accuracy (in)*
573-281-30	0 - 4	±0.001
573-282-30	0 - 6	±0.001

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[™]



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[®]**

- **U-WAVE-TC: 264-620** (IP67 type)
- **264-621** (Buzzer type)
- **U-WAVE-TCB Transmitter (Mitutoyo Bluetooth[®] 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

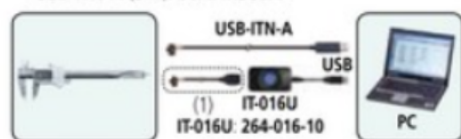
For Coolant Proof Calipers (Connector type A)

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



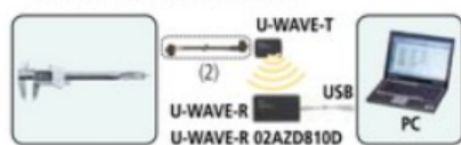
Dedicated cable for models with SPC data output

- (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)

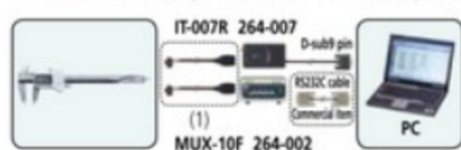


Dedicated cable for models with SPC data output

- (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



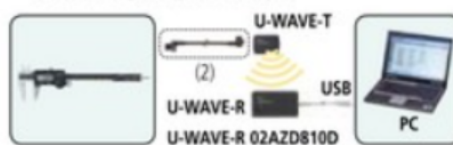
Dedicated cable for models with SPC data output

- (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)

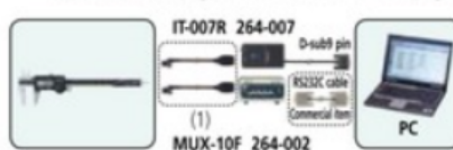


Dedicated cable for models with SPC data output

- (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

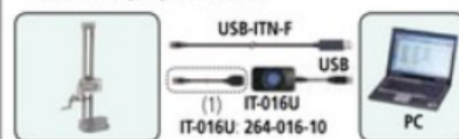
For Digimatic Height Gages (Connector type F)

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



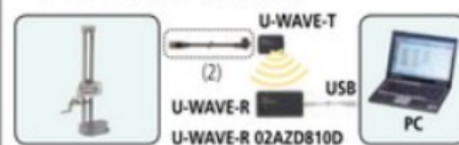
Dedicated cable for models with SPC data output

- (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)

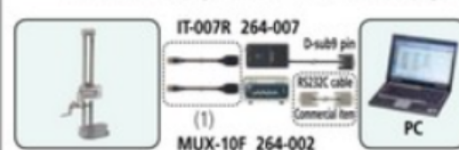


Dedicated cable for models with SPC data output

- (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