

# Calipers

An industry standard in measuring tools

## Absolute Low Force Caliper SERIES 573

- ABSOLUTE electromagnetic induction linear encoder system is introduced.
- Due to the low measuring force, these calipers are ideal for measuring elastic workpieces such as plastic parts and rubber parts that standard calipers cannot measure accurately.
- Allows fine feeding easily by using thumb roller.
- Displacement of main scale jaw is 0.3mm.
- Measuring force: 0.49N to 0.98N (0.5gf to 1.0gf)
- Absolute type. (Refer to page D-8 for a description of Absolute measurement.)
- Allows integration into statistical process control and measurement systems for models with measurement data output connector. Refer to page A-3.



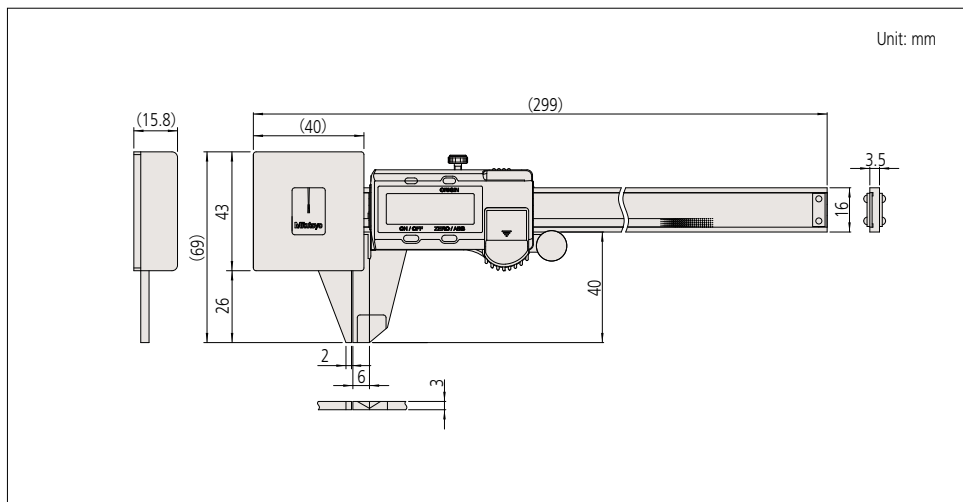
573-191-30

### SPECIFICATIONS

Metric			Inch/Metric		
Order No.	Range	Accuracy*	Order No.	Range	Accuracy*
573-191-30	0 - 180mm	±0.05mm	573-291-20	0 - 7"	±.002"

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

### DIMENSIONS

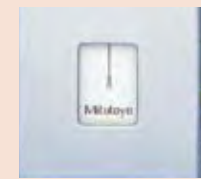


ABSOLUTE™ (Refer to page X for details.)



#### Technical Explanation

##### Measurement procedure



A consistently low measuring force can be guaranteed by only taking measurements when the pointer is between the two fiducial lines.

#### Technical Data

Accuracy: Refer to the list of specifications. (excluding quantizing error)  
 Resolution: 0.01mm or .0005"/0.01mm  
 Display: LCD  
 Scale type\*: ABSOLUTE electromagnetic inductive linear encoder  
 Jaw retraction: 0.3mm  
 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 D-39.  
**959143**: Data hold unit  
 Connecting cables for IT/DP/MUX  
**959149**: SPC cable with data button (1m)  
**959150**: SPC cable with data button (2m)  
**USB Input Tool Direct**  
**06ADV380C**: SPC cable for **USB-ITN-C** (2m)  
 Connecting cables for **U-WAVE-T**  
**02AZD790C**: SPC cable for **U-WAVE** with data button (160mm)  
**02AZE140C**: SPC cable for footswitch