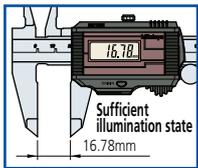
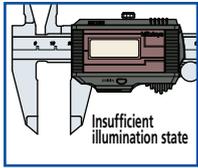


SuperCaliper

SERIES 500 — No battery or origin reset needed for IP67 digital caliper

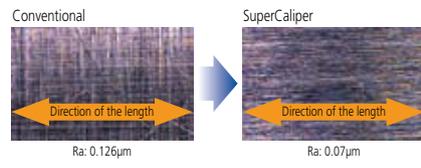
FEATURES

- With no annoying origin restoration necessary, a measurement can be started any time and there is no restriction on operating speed.



- World's unique* solar-powered SuperCaliper that is eco-friendly with no battery
*According to Mitutoyo research in January, 2005
- The impact resistance of the display unit has been increased for improved usability in workshop conditions.
- IP67 protection assures waterproof reliability.
- This SuperCaliper uses components that do not contain harmful substances and is compatible with RoHS Directives.

High quality guide surface finish for smooth slider movement

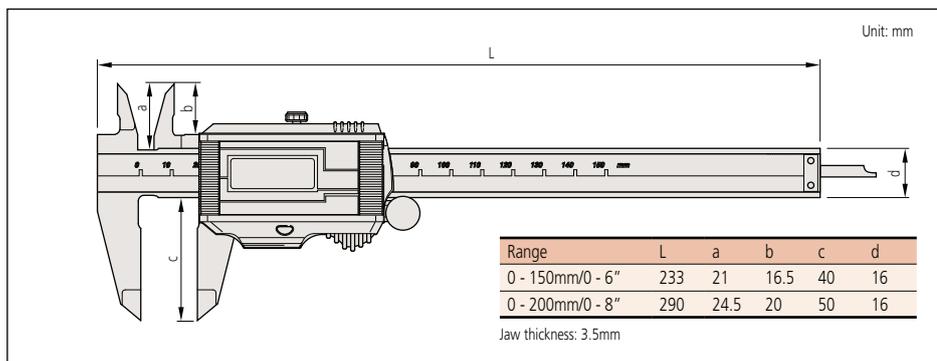


SPECIFICATIONS

Metric		
Range	Order No.	Remarks
0 - 150mm	500-776	with data output
0 - 150mm	500-774	w/o data output
0 - 200mm	500-777	with data output
0 - 200mm	500-775	w/o data output

Inch/Metric		
Range	Order No.	Remarks
0 - 6"	500-786	with data output
0 - 6"	500-784	w/o data output
0 - 8"	500-787	with data output
0 - 8"	500-785	w/o data output

DIMENSIONS



(Refer to page VIII for details.)



(Refer to the page VIII for details.)

Technical Data

Accuracy: ± 0.02 mm (excluding quantizing error)
 Resolution: 0.01mm or .0005"/0.01mm
 Repeatability: 0.01mm
 Display: LCD
 Scale type: ABSOLUTE electromagnetic linear encoder
 Max. response speed: Unlimited
 Battery: Solar battery*
 Dust/Water protection level: IP67
 *Can be used continuously above 60lux ambient illumination.

Functions

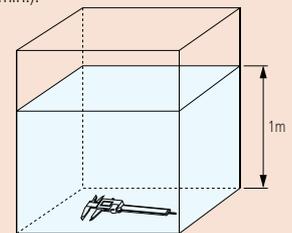
Origin-set, inch/mm conversion (inch/mm models)
 Alarm: Counting value composition error

Optional Accessories

- 05CZA624:** SPC cable with data switch (1m)
- 05CZA625:** SPC cable with data switch (2m)
- 02AZD790A:** SPC cable for U-WAVE w/ data switch (160mm)

IP67 protection level

Level 6: Dust-tight
 No ingress of dust.
 Level 7: Protected against the effects of temporary immersion in water.
 Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed 1 meter in water under standardized conditions of pressure and time (30 min.).



About the charge function (SuperCaliper)

The minimum illumination required in the uncharged state is 60lux. As shown in the table 'JIS Z 9110 Artificial Illumination Intensity Standard', this SuperCaliper can be used with confidence in a normal work environment.

The charge function allows the operator to use this SuperCaliper without interrupting work even if the ambient illumination is temporarily insufficient.

- In the fully charged state this SuperCaliper can operate for approximately an hour in an environment of 50lux illumination (less than the minimum necessary illumination intensity).
- The time necessary for full charge differs, depending on the charging conditions. If this SuperCaliper is left unused in an illumination of 500 lux (usual for manufacturing environments), it takes approximately one hour to reach full charge.