SNOITOUSTRUCTIONS

ELECTRONIC DIGITAL CALIPER

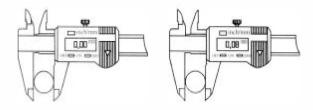
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E.Differential method of measurement (Application of zero setting)

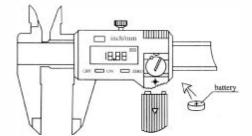


• MAINTENANCE INSTRUCTIONS

- 1. Clean caliper bar with dry cotton fabrics before using in order to avoid mad display of caliper caused by humidity.
- 2. Keep the caliper clean and dry(Liquid can damage the slider).
- 3. Faces should be cleaned gently with cotton fabrics. Never use petrol, acetone and other organic solutions.
- 4. In order to save power, turn off the unit when caliper is going to stay idle for some time.
- 5. Never apply any electric pressure on any part of the caliper and never use an electric pen for the fear of damaging its chip.
- 6. For other notes please refer to the conventional calipers.
- Accidental wrong display may happen while replacing the battery.
 Just take out the battery and then put it in again after more than 30 seconds until the display returns to normal.

• TROUBLE SHOOTING

	Failure	Cause	Measure
	Five digits flash simutaneously,a-bout once per sec.	Battey volta- ge lower than 1.45V OR 3v	Replace the battery.
	Display doesn't change when the slider is moved	Accidental trouble in circuit	Take out battery and reset it after 30 sec.
	Less accurate than specified but with -in±0.1mm.	Dirt in the sensor.	Remove slider cover and its assembly, clean face of sensor with clean comperssed air (5kg/cm ²)
	No display on LCD	1.Bhttery in poor contact. 2.Battery voltage under 1.4V OR 3v	1.Remove battery coverand adjust the battery scatkeep good connection.
			2.Replace battery.



• BATTERY REPLACEMENT

Flashing of digits shows a flat battrey. Take off the battery cover in the direction shown by the arrow and replace the battery (positive side facing out).

• TECHNICAL SPECICATIONS

Measuring range: 0-150mm/-6"

Resolution: 0.01mm/0.0005"

Accuracy: $\pm 0.02 \text{mm}/0.001"(<100 \text{mm})$

 ± 0.03 mm/0.001"(>100-200mm) ± 0.04 mm/0.0015"(>200-300mm)

0.01mm/0.0005"

Max.measuring speed: 1.5m/sec,60"/sec.

Measuring system: Linear capacitive measuing system.

Display: LCD display

Repeatability:

Power: One silver oxide battery SR44,1.55v

OR 3v

capacity:165mAh

Working temperature: 5°C-40°C/41 to 104 degree F. Influence of humidity: Not important under 80% of

relative humidity.

• NOMENCLATURE

1.Internal measuring jaws 2.METRIC/INCH change over

3.Locking screw
4.LCD display

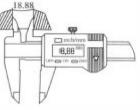
5.External measuring jaws 6.Power off button 7.Zero setting and power on button 8.Battery cover

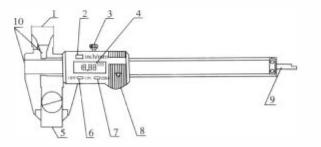
9.Depth measuring blade 10.Step-measuring faces

1.PREPARATIONS:

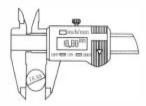
- (1) Slider can be removed only after the lock screw(NO.3item of) the Nomenclature) is loosened.
- (2) Wipe clean all the measuring faces and caliper bar. No organic solutions are allowed.
- (3) Check to see if all the buttons, switches, and LCD display respond well
- 2.Basic measuring methods:
- (1) Loosen the locking screw.
- (2) Switch the unit on with a press on "ON"button. The select the unit system needed by pressing Inch/Metric button. (Each time the button is pressed, inch and metric digits will be displayed alternatively)
- (3) Applynormalmeasuring pressure on slider to close the external mesuring jaws. Then press "zero" button to reset the display to zero.

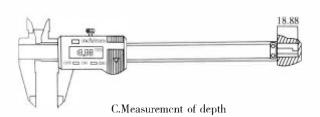
A.Measurements of internal dimensions

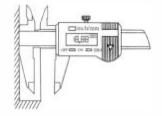




B.Measurments of external dimensions







D.Measurement of steps