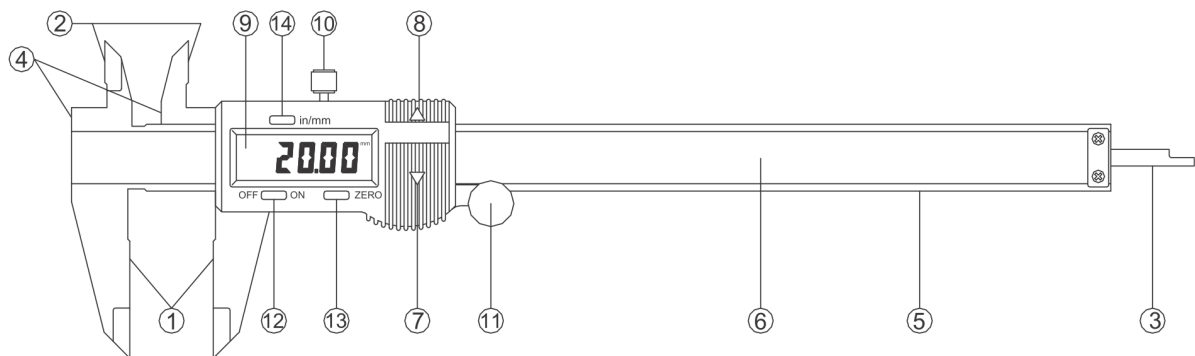


6" Digital Vernier Caliper CTVRNCLPR6A Quick Start Guide

Technical Specifications

Measuring Range	0-150mm/0-6in
Resolution	0.01mm/0.0005in
Accuracy	3 A0.02mm/0.001in (<100mm) 3 0.03mm/0.001in (>100-200mm) 3 0.04mm/0.0015in (>200-300mm)
Repeatability	0.01mm/0.0005in
Max measuring speed	1.5m/sec, 60in/sec
Measuring system	Linear capacitive measuring system
Display	LCD display
Power	One silver oxide battery 1.55V, type SR44 Capacity: 180mAh
Current	<20 μ A
Working Temperature	5° C ~ 40° C
Influence of Humidity	Not important under 80% of relative humidity

Product Layout



- | | |
|--|---|
| <ul style="list-style-type: none"> 1 - Outside Measuring Faces 3 - Depth Measuring Blade 5 - Beam 7 - Battery Compartment Lid 9 - Display (LCD) 11 - Thumb Roller (depending on model) 13 - ZERO Switch | <ul style="list-style-type: none"> 2 - Inside Measuring Faces 4 - Step Measuring Faces 6 - Main Scale 8 - Output Connector 10 - Slider Clamp Screw 12 - Power ON/OFF Switch 14 - Inch/mm Conversion Switch |
|--|---|

APPLICATIONS

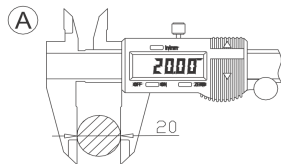
Preparations

1. Slider can be removed only after the locking screw (10) is loosened.
2. Wipe all of the measuring faces and calipers clean. Do not use any cleaning solutions.
3. Check to see if all the buttons, switches and LCD are responsive.

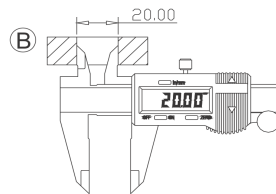
Basic Measuring Methods

1. Loosen the locking screw.
2. Switch the unit on with a press of the ON button. Then select the measuring units needed by pressing the Inch/Metric button. (Each time the button is pressed, the display will alternate between metric and imperial measurements.)
3. Apply normal measuring pressure on the slider to close the external measuring jaws. Then press the "ZERO" button to reset the display to zero.

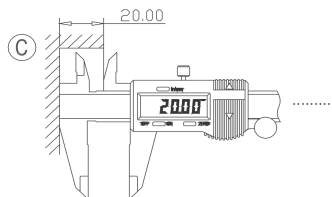
A. Measurements of external dimensions.



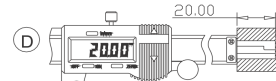
B. Measurements of internal dimensions.



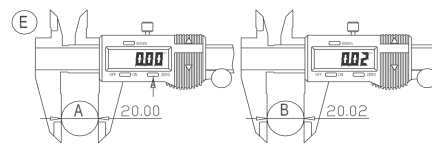
C. Measurements of steps.



D. Measurements of depth.

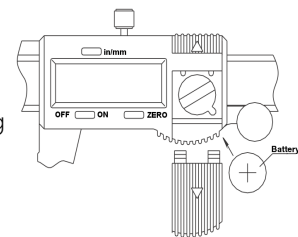


E. Differential method measurement (Application of zero setting)



MAINTENANCE

Keep the caliper clean and dry. (Liquids can damage the slider)
 Faces should be cleaned gently with cotton fabrics. Never use cleaning solutions.
 To save power, turn the unit off when not being used for some time.
 Never apply any electric pressure on any part of caliper.



BATTERY REPLACEMENT

Flashing of digits shows a flat battery. Take off the battery cover in the direction shown by the arrow and replace the battery with the positive side facing outwards.

TROUBLESHOOTING

Failure	Cause	Measure
Five digits flashing simultaneously once per sec.	Battery voltage lower than 1.45V	Replace the battery.
Display doesn't change when slider is moved.	Malfunctioning circuit.	Take out battery, then replace it after 30 seconds.
Less accurate than specified, but within 3 0.1mm	Dirt in sensor.	Remove slider cover and assembly, then clean with compressed air. (5kg/cm)
No display on LCD	1 - Battery in poor contact. 2 - Battery voltage under 1.4V	1 - Remove battery cover and adjust the battery position. 2 - Replace the battery.