

# Digital Caliper

## Safety Precautions

To ensure operator safety, use this instrument in conformance with the directions and specifications given in this User's Manual.

(GB)



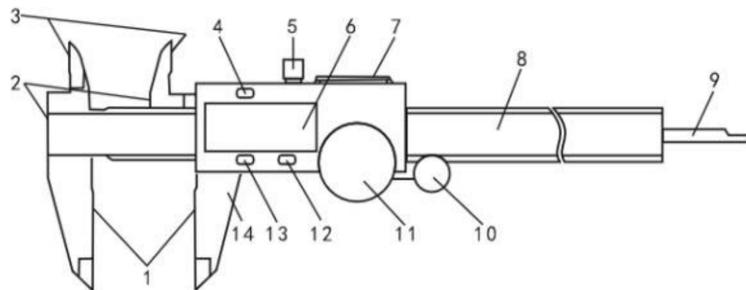
- Do not disassemble, short-circuit, charge, or heat the battery. Otherwise the battery content may leak to come into contact with the eye, or cause battery heating or explosion.
- If a battery is swallowed, immediately consult a doctor.

Disposal of Old Electrical & Electronic Equipment (Applicable In the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. To reduce the environmental impact of WEEE (Waste Electrical and Electronic Equipment) and minimize the volume of WEEE entering landfills, please reuse and recycle. For further information, please contact your local dealer or distributors.

## Structure and Function



- |  |                         |
|--|-------------------------|
| 1. Outside measuring faces                           | 2. Step measuring faces |
| 3. Inside measuring faces                            | 4. in/mm switch         |
| 5. Clamp screw                                       | 6. LCD display          |
| 7. Connector cap (for the external output type only) | 8. Main scale           |
| 9. Depth bar   | 10. Thumb roller        |
| 11. Battery compartment lid                          | 12. Zero key            |
| 13. Power ON/OFF switch                              | 14. Slider              |

## Technical parameters

Range(mm)	Resolution(mm/inch)	Accuracy(mm)	Power supply
0-100	0.01/0.0005	±0.02	CR1632*1
0-150	0.01/0.0005	±0.02	CR2032*1
0-200	0.01/0.0005	±0.03	CR2032*1
0-300	0.01/0.0005	±0.04	CR2032*1

- Response speed: 3 meter/second
- Automatic power off in 5 minutes, battery life is one year under normal use.
- Working environment: temperature 0-40°C, relative humidity 80%

## Features

- LCD readout display, with four measuring functions of inner diameter, outer diameter, depth and step.
- It can work in both direct measurement and relative measurement.
- It is made of hardened stainless steel material with advanced technology and excellent manufacturing.
- Its complete sealed module structure, provides it with certain resistance to water, oil and coolant.
- USB interface allows data to be outputted to a printer or computer for data processing and printing.

## Operating Instruction

- When the LCD readout displays small fonts "5" and "in", it is under inch system.
- mm/in: it is a Metric and inch conversion key. Press this key for mm/in system conversion.
- ZERO: Zero setting key. It can set-zero in any position within the measuring range.
- ON/OFF: power on/off key.
- Before usage, loosen the fastening screws on caliper frame, and pull the caliper frame open gently, then use a clean soft cloth to wipe the measuring surface and the guiding surface clean.
- Check the "zero" position: Push the caliper frame gently until the two measuring jaw surface are close, so the LCD readout displays "zero", otherwise, press the "zero" key to set-zero.
- When measuring outside diameter, fix the outside measuring surfaces close to the measured workpiece.
- When measuring inside diameter, put the measuring jaws under measuring in the diameter direction, don't lean.
- When measuring the depth, put the depth measuring blade vertically with the measured workpiece's bottom surface.  
Direct measurement: use the caliper to measure the workpiece directly, and the LCD readout displays the measuring value directly.  
Relative measurement: set "zero" when measuring the standard workpiece/sample, the measure the workpiece, the LCD readout displays the relative measuring value to the standard workpiece/sample.

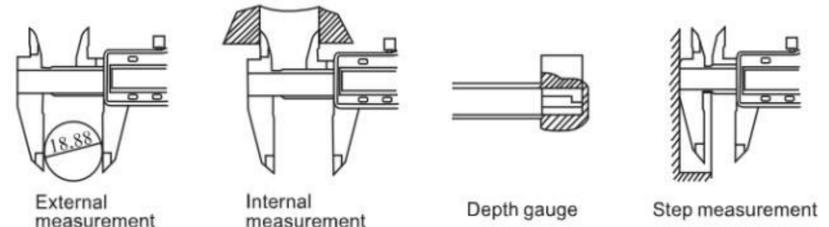
## Notes

- Avoid exposure to the places of high dust, avoid exposure to sunlight ultraviolet radiation and high temperature.
- When pulling the caliper frame open, do it gently, do not drop or crash it.
- Clean the measuring surface with gasoline or alcohol, while keep any liquid away from electronic components and the measuring blade upper surface.
- The usage and test environmental relative humidity ≤80%.

## Troubleshooting

Common fault	Possible reason	Troubleshooting
Readouts jump or no readouts	Poor battery contacts or dead battery	1. Check the inner battery contact 2. Replace battery
Readouts display irregularly	Caliper under damp and moisture situation	Clean the measuring blade upper surface with gauze or open it and clean

## Measurement method



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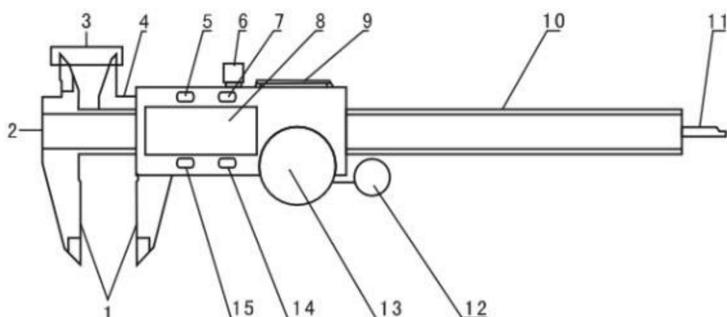
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## Structure and Function



- 1. Outside measuring faces
- 2. Step measuring faces
- 3. Inside measuring faces
- 4. Slider
- 5. in/mm switch
- 6. Clamp screw
- 7. ABS
- 8. LCD display
- 9. Connector cap (for the external output type only)
- 10. Main scale
- 11. Depth bar
- 12. Thumb roller
- 13. Battery compartment lid
- 14. Zero key
- 15. Power ON/OFF switch

## Technical parameters

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- 1. Response speed: 3 meter/second
- 2. Power supply: CR1632\*1, automatic power off in 5 minutes, battery life is one year under normal use.
- 3. Working environment: temperature 0-40°C, relative humidity 80%

## Features

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- 2. It can work in both direct measurement and relative measurement.
- 3. It is made of hardened stainless steel material with advanced technology and excellent manufacturing.
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- 5. USB interface allows data to be outputted to a printer or computer for data processing and printing.

## Operating Instruction

1. Put the specially equipped battery cover key in the middle of the battery cover groove, rotate counterclockwise, open the battery cover, and install/replace battery, then rotate clockwise to lock the battery cover.
  2. When the LCD readout displays small fonts "5" and "in", it is under inch system.
  3. INC: Measurement system transfer between absolute measurement and relative measurement. by pressing this button to display "INC", enter the relative measurement state, by pressing again, "INC" disappears and return to the absolute measurement state.
  4. mm/in: it is a Metric and inch conversion key. Press this key for mm/in system conversion.
  5. ZERO: Zero setting key. It can set-zero in any position within the measuring range.
  6. ON/OFF: power on/off key.
  7. Before usage, loosen the fastening screws on caliper frame, and pull the caliper frame open gently, then use a clean soft cloth to wipe the measuring surface and the guiding surface clean.
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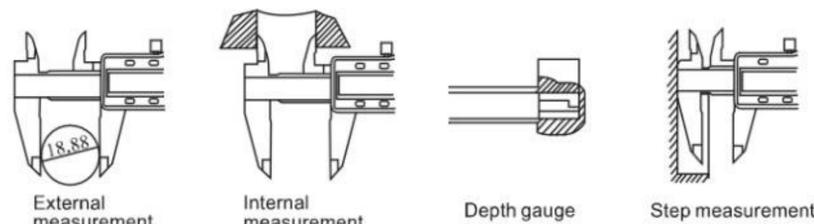
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## Measurement method



Before using the product, please read the instruction manual carefully, and keep it in a safe place for future use.