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› Electronic Digital Caliper and Measuring Tape User Manual

Simhevn 150mm Black plastic

Electronic Digital Caliper and Measuring Tape User Manual

Brand: Simhevn | Model: 150mm Black plastic

1. INTRODUCTION

This user manual provides detailed instructions for the safe and effective operation of your Simhevn Electronic Digital Caliper and Measuring Tape. Designed for precise household measurements, this tool offers accurate readings in both inches and millimeters, featuring a large LCD screen for easy readability.



Image: The Simhevn Electronic Digital Caliper and a measuring tape, presented in their protective case.

2. PRODUCT FEATURES

- **Premium Material:** Constructed from alloy steel, plastic, and metal, designed to prevent scratching valuable objects during measurement.
- **Accurate Reading:** Strictly tested to ensure exact measurements with an accuracy of $\pm 0.2\text{mm}$ / 0.01 inch.
- **Zero Calibration:** Allows setting to zero at any position for differential measurements.
- **Unit Conversion:** Easily switch between inches (in) and millimeters (mm) with a dedicated button.
- **Large LCD Display:** Provides instant readings with clear digital numbers for convenient use.
- **Auto On/Off:** Automatically turns on when sliding and turns off after 5 minutes of inactivity to conserve battery life.
- **Safety Design:** Features plastic pins to prevent short circuits when measuring electrical components.

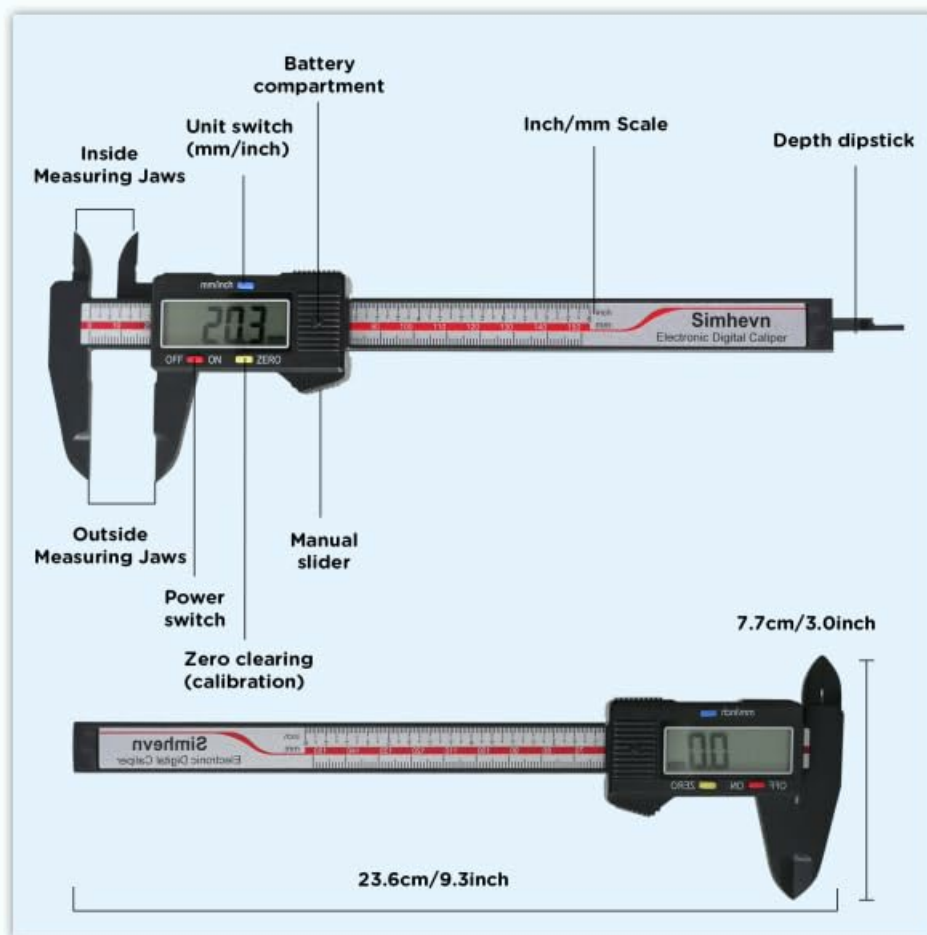


Image: Labeled components of the digital caliper, including inside and outside measuring jaws, depth dipstick, unit switch, power switch, zero clearing button, and LCD screen.

3. SETUP

3.1 Battery Installation

The digital caliper is powered by one LR44/AG13 1.5V battery. One battery is pre-installed, and two spare batteries are included in the package.

1. Locate the battery compartment on the back of the LCD display unit.
2. Slide open the battery cover.
3. Insert the LR44/AG13 1.5V battery with the positive (+) side facing up.
4. Close the battery cover securely.

3.2 Initial Power On

The caliper will automatically turn on when you slide the measuring jaws. Alternatively, press the **ON/OFF** button to power it on.



Image: The digital caliper's display showing battery information, indicating one pre-installed and two backup batteries.

4. OPERATING INSTRUCTIONS

4.1 Zero Calibration

To ensure accurate measurements, it is recommended to zero the caliper before use or when changing measurement positions:

1. Close the measuring jaws completely.
2. Press the **ZERO** button. The display will show "0.00" (or "0.0" in mm mode).
3. You can also press the **ZERO** button at any position to set it as a new reference point for differential measurements.

4.2 Unit Conversion

To switch between inches and millimeters, press the **mm/inch** button located on the display unit. The display will instantly convert the reading to the selected unit.



Image: The digital caliper's LCD screen showing measurements in both inches (0.67") and millimeters (17.0 mm).

4.3 Measurement Methods

The Simhevn Digital Caliper supports four distinct measurement methods:

- **External Measuring:** Use the long jaws to measure the outer diameter or length of objects.
- **Internal Measuring:** Use the top jaws to measure the inner diameter of objects.
- **Depth Measuring:** Extend the long probe from the end of the caliper to measure the depth of holes or steps.
- **Step Measuring:** Use the step design at the end of the fixed jaw to measure the height or length of steps.

4 MEASURING MODES



01

inside diameter



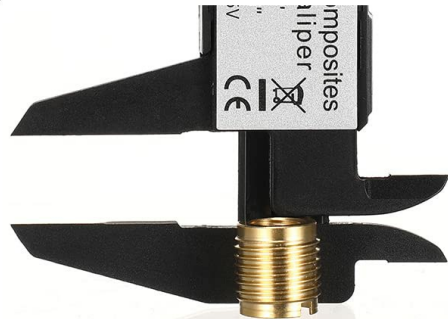
02

Outside diameter



03

Depth



04

Step

Image: Visual guide demonstrating the four measurement modes: inside diameter, outside diameter, depth, and step measurement.

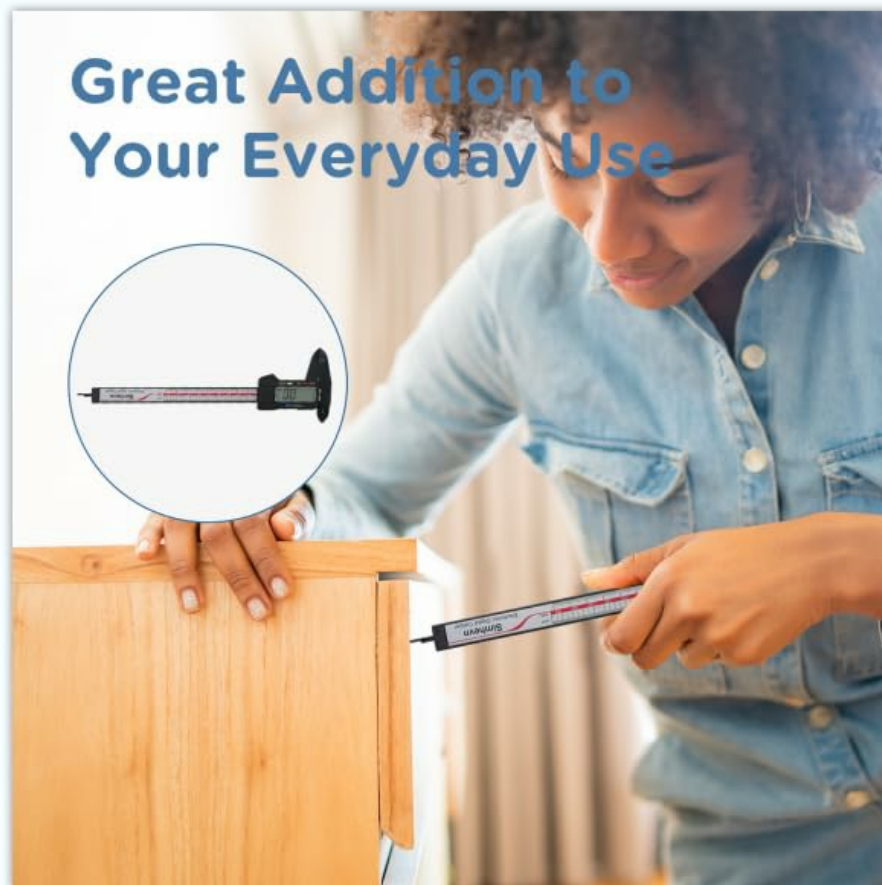


Image: A user demonstrating the practical application of the digital caliper for household measurements.

5. MAINTENANCE

- Keep the caliper clean and dry. Wipe with a soft, dry cloth after each use.
- Avoid exposing the caliper to direct sunlight, high humidity, or extreme temperatures.
- Do not apply excessive force or drop the caliper, as this may affect its accuracy.
- When not in use for extended periods, it is advisable to remove the battery to prevent leakage and damage.

6. TROUBLESHOOTING

Inaccurate Readings:

If you find the readings are not accurate, perform the following steps:

1. Slide the LCD screen (movable jaw) completely to the left end until the jaws are closed.
2. Press the **ZERO** button. This should reset the display to "0.00" and restore accuracy.

Display Not Turning On:

- Ensure the battery is correctly installed with the positive (+) side facing up.

- Replace the battery with a new LR44/AG13 1.5V battery if the current one is depleted.

7. SPECIFICATIONS

Feature	Detail
Weight	350g (approx. 12.3 oz)
Display	LCD screen
Color	Black
Power Source	1 x LR44/AG13 1.5V Battery (included)
Measuring Range	0-150 mm / 0-6 inch
Resolution	0.1 mm / 0.01 inch
Accuracy	±0.2mm / 0.01 inch
Product Dimensions	10 x 3 x 0.8 inches
Material	Alloy Steel, Plastic, Metal

8. SAFETY INFORMATION

CAUTION:

- This digital caliper is intended for household measurements only, such as jewelry, gadgets, and other general household objects.
- For industrial measurements requiring higher technical accuracy, it is recommended to use a more professional and specialized measuring tool.
- The plastic pins are designed to prevent short circuits when measuring electrical components, enhancing user safety compared to metal calipers.

9. PACKAGE CONTENTS

Your Simhevn Electronic Digital Caliper package includes:

- 1 x Digital Caliper
- 2 x Spare LR44/AG13 1.5V Batteries (in addition to the pre-installed battery, for a total of 3 batteries)
- 1 x 60 Inch/150cm Measuring Tape
- 1 x Protective Storage Case

10. WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your Simhevn Electronic Digital Caliper, please refer to the seller's contact information on the product's purchase page. Specific warranty details may vary and are typically provided at the point of purchase or within the product packaging.

