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Sangabery S-0916

Sangabery S-0916 Digital Caliper User Manual

Model: S-0916 | Brand: Sangabery

1. Introduction

Thank you for choosing the Sangabery S-0916 Digital Caliper. This precision measuring tool is designed for accurate internal, external, depth, and step measurements in both inches and millimeters. Its large LCD screen and auto-off feature enhance usability for various household and DIY projects. Please read this manual thoroughly before use to ensure proper operation and longevity of your device.



Figure 1: Sangabery S-0916 Digital Caliper

2. Product Overview

Familiarize yourself with the components of your digital caliper:



Figure 2: Digital Caliper Components

1. **Outside Diameter Jaws:** Used for measuring external dimensions.
2. **Inside Diameter Jaws:** Used for measuring internal dimensions.
3. **Depth Probe:** Used for measuring depth.
4. **Step Measuring Face:** Used for measuring step dimensions.
5. **Large LCD Screen:** Displays measurements clearly.
6. **mm/inch Button:** Toggles between millimeter and inch units.
7. **ON/OFF Button:** Manually turns the device on or off.
8. **ZERO Button:** Resets the display to zero at any point.
9. **Roller:** For fine adjustment of the jaws.

3. Setup

3.1 Battery Installation

The digital caliper uses SR44/LR44 1.5V or CR2032 3V batteries. It typically comes with a battery pre-installed and spare batteries. To install or replace the battery:

1. Locate the battery compartment cover on the back of the digital display unit.
2. Carefully slide open the cover.
3. Insert the new battery with the positive (+) side facing up.
4. Close the battery compartment cover securely.

3.2 Initial Power On

The caliper features an auto-on function. Simply slide the measuring jaws apart to power on the device. Alternatively, press the **ON** button.

4. Operating Instructions

4.1 Power On/Off

- **Power On:** Slide the measuring jaws or press the **ON** button.
- **Power Off:** Press the **OFF** button. The device will also auto-shut off after 5 minutes of inactivity to conserve battery life.

4.2 Unit Conversion

Easily switch between millimeter (mm) and inch (in) units by pressing the **mm/inch** button located on the digital display unit.



Figure 3: Unit Conversion

4.3 Zero Setting

The **ZERO** button allows you to reset the display to zero at any point, enabling differential measurements. To set zero:

1. Close the measuring jaws completely.
2. Press the **ZERO** button. The display will show 0.00.
3. You can also set zero at any open position to measure the difference from that point.

4.4 Measuring Modes

The Sangabery Digital Caliper supports four primary measuring modes:



Figure 4: Four Measuring Modes

- **Outside Diameter Measurement:** Use the large jaws to measure the external dimensions of an object.
- **Inside Diameter Measurement:** Use the small jaws to measure the internal dimensions of an object.
- **Depth Measurement:** Extend the depth probe from the end of the caliper into a hole or recess to measure its depth.
- **Step Measurement:** Use the step measuring face to measure the height or depth of a step between two surfaces.

4.5 Accurate Measurement Tips

For precise readings:

- Ensure the measuring surfaces are clean and free from dust or debris.
- Apply gentle, consistent pressure when taking measurements. Avoid excessive force, especially with the plastic jaws, to prevent inaccurate readings.
- Always zero the caliper before starting a new measurement, especially after changing units or if the jaws have been moved significantly.
- The caliper is crafted from tough yet low-hardness plastic, delivering accurate measurements without

scratching finished surfaces.



Figure 5: Example of Accurate Measuring

5. Maintenance

- **Cleaning:** Wipe the caliper with a clean, dry cloth after each use. Avoid using solvents or harsh chemicals.
- **Storage:** Store the caliper in a dry, dust-free environment. Keep the jaws closed when not in use to protect them.
- **Battery Replacement:** Replace the battery when the display becomes dim or erratic. Refer to Section 3.1 for instructions.

6. Troubleshooting

- **Inaccurate Readings:** Ensure the jaws are clean and properly closed before zeroing. Re-zero the device. Check battery level.
- **Display Not Working:** Check if the battery is correctly installed and has sufficient power. Replace the battery if necessary.

- **Jaws Sticking/Rough Movement:** Clean the sliding surfaces. If the issue persists, ensure no foreign objects are obstructing movement.

7. Specifications

Feature	Detail
Brand	Sangabery
Model	S-0916
Material	Plastic Standard
Measurement Range	0 - 6 inches / 0 - 150 mm
Resolution	0.01 inches / 0.1 mm
Accuracy	±0.02 mm / 0.01 inches
Display	Large LCD Screen
Features	Auto-Off, Inch/Millimeter Conversion, Zero Setting
Power Source	SR44/LR44 1.5V or CR2032 3V Battery
Product Dimensions	9.45"L x 3.07"W



Figure 6: Caliper Dimensions

8. Warranty and Support

For warranty information or technical support, please contact Sangabery customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

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