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Dasqua 2115-2305

Dasqua 2115-2305 Digital Caliper User Manual

Model: 2115-2305 | Brand: Dasqua

1. Introduction

Thank you for choosing the Dasqua 2115-2305 Digital Caliper. This precision measuring instrument is designed for accurate internal, external, and depth measurements. Featuring a durable metal casing around its digital display and IP54 protection against dust and water splashes, this caliper offers reliable performance in various environments. Please read this manual thoroughly before operating the device to ensure proper use and maintenance.

2. Product Overview



An image showing the Dasqua 2115-2305 digital caliper. The caliper features a digital LCD display showing a measurement, an ON/OFF button, a ZERO button, and a mm/inch conversion button. The main body of the caliper has both millimeter and inch markings. The jaws are open, indicating its use for various measurements.

The Dasqua 2115-2305 is a high-precision digital caliper capable of measuring up to 150 mm (approximately 6 inches) with an accuracy of 0.01 mm (0.0005 inches). Its robust design includes a metal casing for the digital display, enhancing durability. Key features include:

- Measurement capabilities for internal diameter, external diameter, and depth.
- Large LCD display for clear reading of measurements.
- Switchable measurement units between millimeters (mm) and inches (in).
- IP54 protection rating, providing resistance against dust and water splashes.
- Convenient ON/OFF and ZERO buttons for easy operation.
- A locking screw to secure measurements.
- Powered by a single CR2032 battery.

3. Setup

3.1 Battery Installation

The Dasqua 2115-2305 Digital Caliper operates on one CR2032 button cell battery.

1. Locate the battery compartment cover on the back of the digital display unit.
2. Slide or gently pry open the battery cover.
3. Insert a new CR2032 battery with the positive (+) side facing upwards.
4. Close the battery compartment cover securely.

3.2 Initial Power On

After battery installation, press the **ON/OFF** button to power on the caliper. The LCD display should illuminate and show a reading.

4. Operating Instructions

4.1 Powering On/Off

- To turn on the caliper, press the **ON/OFF** button.
- To turn off the caliper, press and hold the **ON/OFF** button for a few seconds until the display turns off. The caliper may also automatically shut off after a period of inactivity to conserve battery.

4.2 Switching Measurement Units (mm/inch)

Press the **mm/inch** button to toggle between millimeter (mm) and inch (in) measurement units. The selected unit will be indicated on the LCD display.

4.3 Zeroing the Caliper

To ensure accurate measurements, it is crucial to zero the caliper before use.

1. Close the jaws completely, ensuring they are clean and free of debris.
2. Press the **ZERO** button. The display should now read "0.00" (or "0.000" depending on the unit).
3. The caliper is now ready for measurement.

4.4 Taking Measurements

The Dasqua 2115-2305 can perform three types of measurements:

- **External Measurement:** Use the large outer jaws to measure the external dimensions of an object.
- **Internal Measurement:** Use the small inner jaws to measure the internal dimensions of a hole or groove.
- **Depth Measurement:** Use the depth rod extending from the end of the sliding jaw to measure the depth of a hole or step.

To take a measurement:

1. Open the jaws slightly wider than the object or feature to be measured.
2. Position the caliper jaws firmly against the object.
3. Read the measurement directly from the LCD display.
4. Use the **locking screw** located at the top of the sliding jaw to fix the measurement in place for later reading or transfer. This screw also allows adjustment of the sliding tension.

5. Maintenance and Care

- **Cleaning:** Wipe the caliper clean with a dry, soft cloth after each use. Avoid using solvents or harsh chemicals. While the caliper has IP54 protection, do not immerse it in water.
- **Storage:** Store the caliper in its protective case (if provided) in a dry, clean environment away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Replacement:** Replace the CR2032 battery when the display becomes dim or shows an error. Dispose of old batteries responsibly.
- **Handling:** Handle the caliper with care to avoid dropping or impacting it, which could affect its accuracy.

6. Troubleshooting

Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead battery.	Replace the CR2032 battery.
Inaccurate readings.	Jaws are not clean; Caliper not zeroed; Damage to the measuring surfaces.	Clean the jaws thoroughly; Zero the caliper before use; Inspect for damage and contact support if necessary.
Display shows "E" or error code.	Internal error or excessive movement.	Turn off and on again. If the problem persists, replace the battery or contact support.

7. Specifications

Feature	Specification
Measurement Range	0-150 mm / 0-6 inches
Accuracy	0.01 mm / 0.0005 inches
Display Type	LCD
Upper Jaw Length	20.5 mm
Lower Jaw Length	40 mm
Power Source	1 x CR2032 Battery
Casing Material (Display)	Metal
Protection Class	IP54 (Dust and Water Splash Resistant)
Functions	ON/OFF, ZERO, mm/inch conversion

8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Dasqua customer service directly. Keep your purchase receipt as proof of purchase.

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