Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Adoric RFS

Adoric Digital Caliper 6-inch (Model RFS) Instruction Manual

Your guide to precise measurement with the Adoric Digital Caliper.

1. Introduction

The Adoric Digital Caliper is a high-precision measuring instrument designed for accurate internal, external, step, and depth measurements. Constructed from industrial-grade stainless steel, it offers durability and reliable performance for various applications, from household tasks to professional use. This manual provides detailed instructions for its setup, operation, and maintenance to ensure optimal performance and longevity.

2. Product Overview

Familiarize yourself with the components of your Adoric Digital Caliper:

- **Big Jaws:** For external diameter measurements.
- **Small Jaws:** For internal diameter measurements.
- **LCD Screen:** Displays measurement readings.
- **On/Off Button:** Powers the device on or off.
- **MM/Inch/Fraction Button:** Toggles between measurement units.
- **Zero Button:** Resets the display to zero at any point.
- **Ruler:** The main scale of the caliper.
- **Probe:** For depth measurements.
- **Locking Screw:** Secures the jaws in position for stable readings.



Figure 2.1: Labeled components of the Adoric Digital Caliper, showing big jaws, small jaws, LCD screen, on/off button, unit button, zero button, ruler, probe, and locking screw.

3. Setup

Your Adoric Digital Caliper comes with one CR2 battery pre-installed and a spare. A small screwdriver is included for battery replacement.

3.1 Battery Installation/Replacement

1. Locate the battery compartment cover on the back of the LCD unit.
2. Use the provided screwdriver to gently remove the cover.
3. Insert the CR2 battery with the positive (+) side facing up.
4. Replace the battery compartment cover and secure it with the screw.

Note: The caliper will automatically turn on when the slider is moved and will shut off after 5 minutes of inactivity to conserve battery life.

4. Operating Instructions

4.1 Power On/Off

- To turn on the caliper, press the **ON/OFF** button or simply slide the measuring jaws.
- To turn off the caliper, press and hold the **ON/OFF** button. The device will also automatically power off after 5 minutes of inactivity.

4.2 Zero Setting Function

The zero setting function allows you to set a reference point for your measurements at any position.

1. Ensure the caliper is powered on.
2. Close the jaws completely and press the **ZERO** button to set the display to 0.00. This is the absolute zero.
3. For relative measurements, position the jaws at your desired starting point and press the **ZERO** button. The display will reset to 0.00, and subsequent movements will show the relative distance from this point.

4.3 Unit Conversion (Inch/mm/Fraction)

The caliper supports three measurement units: inches, millimeters, and fractions.

- Press the **MM/INCH/F** button to cycle through the available units. The selected unit will be displayed on the LCD screen.

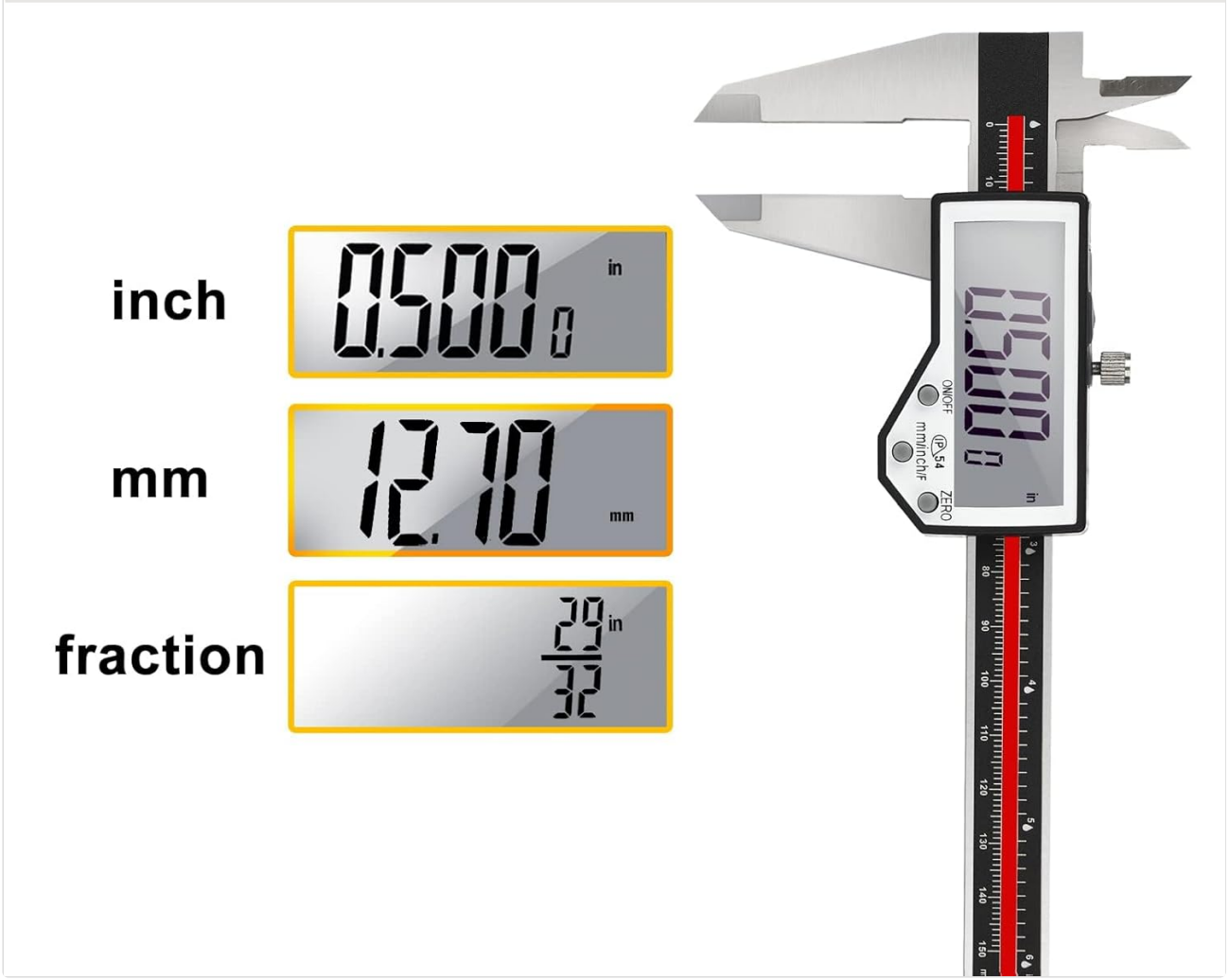

Figure 4.1: The LCD screen showing measurements in inch, millimeter, and fractional inch formats.

4.4 Measurement Versatility

The Adoric Digital Caliper can perform four types of measurements:

1. **Outside Diameter Measurement:** Use the large jaws to measure the external dimensions of an object.
2. **Inside Diameter Measurement:** Use the small jaws to measure the internal dimensions, such as the diameter of a hole or pipe.
3. **Depth Measurement:** Extend the depth probe into a hole or recess to measure its depth.
4. **Step Measurement:** Use the step measuring face to measure the height or length of a step or shoulder on an object.



Figure 4.2: Illustrations of the four primary measurement functions: outside diameter, inside diameter, step, and depth.

5. Maintenance

Proper maintenance ensures the accuracy and longevity of your digital caliper.

- **Cleaning:** Keep the caliper clean and dry. Wipe it with a soft, dry cloth after each use. Avoid using solvents or harsh chemicals.
- **Water Exposure:** Do not immerse the caliper in water. While it has an IP54 waterproof rating for splash resistance, immersion can cause damage.
- **Storage:** Store the caliper in its protective case when not in use to prevent damage and keep it free from dust and debris.
- **Battery Conservation:** To save energy, remember to turn off the power when the caliper is not in use, or rely on the auto-shutdown feature.



Figure 5.1: The Adoric Digital Caliper is rated IP54 for splash resistance, but should not be immersed in water.

6. Troubleshooting

If you encounter issues with your caliper, refer to the following common solutions:

- **Inaccurate Readouts:** If the display shows inaccurate readings, slide the measuring jaws completely closed to the "0" point. Then, press the **ZERO** button to recalibrate.
- **Blank or Fading Display:** This usually indicates a low battery. Replace the CR2 battery as described in Section 3.1.
- **Jaws Not Moving Smoothly:** Clean the measuring surfaces and the slider mechanism. Ensure no debris is obstructing movement. A small amount of light machine oil can be applied to the sliding surface if necessary, then wipe off excess.

7. Specifications

Feature	Specification

Feature	Specification
Brand	Adoric
Model	RFS
Material	Stainless Steel
Measurement Range	0-6 inches / 0-150 mm
Accuracy	+/- 0.001” / 0.03 mm
Resolution	0.0005" / 0.01 mm
Units	Inch, Millimeter, Fraction
Display	Extra-Large LCD Screen
Power Source	1 x CR2 Battery (included)
Auto-Off	After 5 minutes of inactivity
Product Dimensions	9"L x 3"W

8. Warranty and Support

For warranty information and customer support, please refer to the product packaging or contact Adoric customer service directly. You can also visit the official Adoric store on Amazon for more information: Adoric Store.

© 2023 Adoric. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B091GFFSDF

More documents and user manuals: **https://manuals.plus/**