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Cooper-Atkins 36036

Cooper-Atkins 36036 Platinum RTD Thermometer User Manual

Model: 36036

1. Introduction

This manual provides instructions for the proper use and maintenance of your Cooper-Atkins 36036 Platinum RTD Thermometer. This highly accurate digital thermometer is designed for precise temperature measurements, utilizing thin-film platinum RTD probe sensor technology. Its ergonomic design and splash-proof construction ensure durability and reliability in various environments.
The thermometer features a silicone-coated wire probe permanently attached to the instrument, and both the probe and thermometer case are sealed for splash protection. It offers switchable Fahrenheit/Celsius temperature display.

2. Safety Information

Please read all safety instructions before operating the device to prevent injury or damage to the thermometer.

- **Do not immerse the entire unit in water.** While splash-proof, it is not designed for full submersion.
- Keep the thermometer away from extreme temperatures, direct sunlight, and corrosive materials.
- Do not attempt to disassemble or modify the thermometer. This will void the warranty and may cause damage.
- Use only the specified battery type for replacement.
- Keep out of reach of children.
- Dispose of batteries and the device according to local regulations.

3. Package Contents

Verify that all items are present in your package:

- Cooper-Atkins 36036 Platinum RTD Thermometer with attached probe
- User Manual (this document)
- Batteries (may be pre-installed or included separately)

4. Setup

4.1. Battery Installation

The Cooper-Atkins 36036 thermometer is battery-powered. If batteries are not pre-installed, or if the display indicates low power, follow these steps:

1. Locate the battery compartment cover on the back of the thermometer.
2. Use a small screwdriver or coin to open the compartment.
3. Insert the required batteries (e.g., AAA or button cell, refer to the compartment label for type and polarity) ensuring correct polarity (+/-).
4. Replace the battery compartment cover and secure it firmly to maintain splash-proof integrity.



Image: The Cooper-Atkins 36036 Platinum RTD Thermometer. This image shows the main unit with its LCD display and the permanently attached probe with a silicone-coated wire.

5. Operating Instructions

5.1. Powering On/Off

- To power on the thermometer, press the **ON/OFF** button. The LCD display will illuminate.
- To power off the thermometer, press and hold the **ON/OFF** button for a few seconds until the display turns off. The device may also feature an auto-off function to conserve battery life.

5.2. Taking a Measurement

1. Ensure the thermometer is powered on.
2. Carefully insert the probe tip into the substance or area you wish to measure. Ensure the probe tip is fully immersed or in firm contact for accurate readings.
3. Wait for the reading on the LCD display to stabilize. The display will show the current temperature.
4. Remove the probe after taking the measurement.

5.3. Switching Temperature Units (°F/°C)

The Cooper-Atkins 36036 allows you to switch between Fahrenheit (°F) and Celsius (°C) temperature scales.

- Locate the **°F/°C** button (or switch) on the thermometer.
- Press or toggle this button/switch to alternate between the two units. The display will immediately update to show the temperature in the selected unit.

6. Maintenance

6.1. Cleaning

- After each use, especially when measuring food items, clean the probe thoroughly with a damp cloth and mild detergent.
- Wipe the main unit with a soft, damp cloth. Do not use abrasive cleaners or immerse the unit in water.
- Ensure the probe and unit are dry before storage.

6.2. Storage

- Store the thermometer in a clean, dry place at room temperature.
- Avoid storing in areas with extreme temperatures or high humidity.

6.3. Battery Replacement

When the battery indicator appears on the display or the thermometer fails to power on, replace the batteries as described in Section 4.1. Battery Installation.

7. Troubleshooting

Problem	Possible Cause	Solution
No display or faint display	Low or dead batteries; incorrect battery installation.	Replace batteries, ensuring correct polarity.
Inaccurate readings	Probe not properly inserted; probe damaged; thermometer outside operating temperature range.	Ensure probe is fully inserted. Check for visible damage to the probe. Use the thermometer within its specified temperature range.

Problem	Possible Cause	Solution
Thermometer does not turn off	Button malfunction; internal error.	Remove and reinsert batteries. If problem persists, contact customer support.

8. Specifications

- **Model:** 36036
- **Temperature Range:** -76°F to 500°F (-60°C to 260°C)
- **Resolution:** 0.1°F / 0.1°C
- **Sensor Type:** Platinum RTD (Resistance Temperature Detector)
- **Display Type:** LCD
- **Power Source:** Battery Powered
- **Outer Material:** Silicone
- **Special Features:** High Accuracy, Splash-proof design, F/C Switchable
- **Dimensions (Package):** 22.86 cm (Length) x 11.176 cm (Width) x 5.842 cm (Height)

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Cooper-Atkins website. Keep your proof of purchase for warranty claims.
Manufacturer: Cooper-Atkins Corporation
Contact: Please visit the manufacturer's website for the most up-to-date contact information and support resources.

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Question

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

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