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ARMEATOR Armeator-B2

ARMEATOR Smart Meat Thermometer User Manual

Model: Armeator-B2

For use with BBQ Grill, Oven, and other cooking applications.

INTRODUCTION

Thank you for choosing the ARMEATOR Smart Meat Thermometer. This device is designed to provide precise temperature monitoring for your cooking, ensuring perfect results every time. With its dual probes, Bluetooth connectivity, and smart app integration, you can monitor your food from a distance with ease. This manual provides essential information on setting up, operating, maintaining, and troubleshooting your new thermometer.

PRODUCT OVERVIEW

What's in the Box

- 1 Digital Display Unit (Base)
- 2 Stainless Steel Temperature Probes
- USB-C Charging Cable

Key Features

- **Dual Probes:** Simultaneously monitor internal meat temperature and ambient cooking temperature.
- **Fast & Accurate Readings:** Provides temperature readings in 1 second with $\pm 1^{\circ}\text{C}$ precision.
- **Convenient Dock with LCD Display:** The smart base features an LCD screen displaying probe temperatures, battery life, and connection status.
- **Extended Wireless Range:** Advanced Bluetooth connectivity offers a stable range of up to 229ft (70m).
- **Durable Design:** Probes withstand temperatures up to 500°C (932°F) and feature IP67 waterproof construction.
- **Long-lasting Battery:** 350 mAh lithium-ion battery provides up to 72 hours of continuous cooking on a 15-minute charge.
- **Smart App Integration:** Compatible with iOS and Android, offering real-time alerts, cooking graphs, and recipe guidance.

Product Components



Figure 1: The ARMEATOR Smart Meat Thermometer system, showing the main unit, two temperature probes, and the accompanying mobile application interface.

100% WIRELESS

longer range with 229ft/70m via Bluetooth 5.2



Figure 2: Illustration of the 10ft charger-to-cooker range and the 229ft Bluetooth range from the base unit to the mobile device.



Figure 3: The black and red color-coded probes, designed for easy identification when monitoring multiple items.



Figure 4: The ARMEATOR app interface, showing real-time internal and ambient temperatures, target settings, and a cooking progress graph.

SETUP GUIDE

1. **Charge the Device:** Before first use, fully charge the Digital Display Unit using the provided USB-C cable. Connect the cable to the unit's USB-C port and a standard USB power adapter (not included). The battery indicator on the LCD will show charging status. A full charge takes approximately 15 minutes and provides up to 72 hours of use.
2. **Download the ARMEATOR App:** Search for "ARMEATOR" in your smartphone's app store (iOS or Android) and download the application.
3. **Power On and Pair:**
 - Ensure your smartphone's Bluetooth is enabled.
 - Power on the Digital Display Unit.
 - Open the ARMEATOR app. The app will automatically search for and connect to the thermometer. Follow any

on-screen prompts to complete the pairing process.

4. **Insert Probes:** Carefully insert the stainless steel probes into the designated slots on the Digital Display Unit. Ensure they are fully seated.

OPERATING INSTRUCTIONS

1. Probe Placement:

- Insert the pointed end of the probe into the thickest part of the meat, avoiding bones.
- For ambient temperature monitoring, ensure the probe is positioned to measure the air temperature within your grill, oven, or smoker, away from direct flame or heating elements.
- The ceramic handle of the probe should remain outside the cooking chamber.

2. Monitoring Temperatures:

- **On the Digital Display Unit:** The LCD screen will show real-time temperatures for both probes.
- **Via the ARMEATOR App:** The app provides a comprehensive view of current temperatures, target temperatures, cooking progress graphs, and remaining cooking time estimates.

3. Setting Target Temperatures and Alerts:

- Open the ARMEATOR app.
- Select the probe you wish to configure.
- Choose from pre-set meat types and doneness levels, or manually set a custom target temperature.
- The app will notify you when the target temperature is reached.

4. **Guided Cook System:** The app offers step-by-step recipe guidance and cooking graphs to help you achieve optimal results. Explore the app's features for various cooking scenarios.

MAINTENANCE

- **Cleaning Probes:** After each use, allow probes to cool. Handwash the stainless steel portion of the probes with warm, soapy water. **Do not submerge the entire probe or the ceramic handle in water.** Wipe clean with a damp cloth.
- **Cleaning Digital Display Unit:** Wipe the unit with a soft, damp cloth. Do not use abrasive cleaners or submerge the unit in water.
- **Storage:** Store the thermometer and probes in a dry place when not in use. Ensure probes are clean and dry before storing them in the base unit.
- **Battery Care:** To prolong battery life, avoid fully discharging the unit frequently. Recharge as needed. If storing for an extended period, charge the battery to approximately 50% every few months.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not connecting to app.	Bluetooth is off; device out of range; app not open; low battery.	Ensure Bluetooth is on. Move device closer to phone (within 229ft/70m). Open the ARMEATOR app. Charge the device. Restart both the thermometer and the app.

Problem	Possible Cause	Solution
Inaccurate temperature readings.	Probe not inserted correctly; probe damaged; rapid temperature change.	Ensure probe is inserted into the thickest part of the meat, avoiding bone. Check for visible damage to the probe. Allow a few seconds for the reading to stabilize, especially during rapid temperature changes.
Battery not holding charge.	Improper charging cable; faulty power adapter; battery degradation.	Ensure you are using the correct USB-C cable and a functional power adapter. If the issue persists after following battery care instructions, contact customer support.
LCD display is blank or flickering.	Low battery; device malfunction.	Charge the device. If the problem persists after charging, contact customer support.

SPECIFICATIONS

- **Model Number:** Armeator-B2
- **Product Dimensions:** 7.09 x 1.46 x 1.18 inches
- **Item Weight:** 8.47 ounces
- **Battery:** 350 mAh Lithium-ion (rechargeable)
- **Brand:** ARMEATOR
- **Special Features:** Bluetooth Connectivity, Digital Display, Dual Probes, Mobile App Integration, Remote Monitoring
- **Color:** Black And Red
- **Included Components:** 1 Digital Display Unit, 2 Stainless Steel Temperature Probes
- **Outer Material:** Metal, Plastic
- **Specification Met:** Bluetooth, FDA, Wireless
- **Display Type:** LCD Digital
- **Connectivity Technology:** Bluetooth
- **Probe Temperature Range:** Up to 500°C (932°F)
- **Wireless Range:** Up to 229ft (70m)

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your purchase or visit the official ARMEATOR website. If you encounter any issues or require technical assistance, please contact ARMEATOR customer support through their official channels or via the ARMEATOR mobile application.

Online Resources:

- ARMEATOR Store on Amazon: [Visit Store](#)
- ARMEATOR App: Available on iOS and Android app stores.