Inkbird INT-14-BW

Inkbird INT-14-BW Wireless Meat Thermometer User Manual

Model: INT-14-BW | Brand: Inkbird

1. Introduction

The Inkbird INT-14-BW is an advanced wireless meat thermometer designed for precise temperature monitoring during cooking. It features multiple connectivity options, including 2.4G WiFi, Bluetooth 5.4, and a local mode, providing flexibility for various cooking environments. Equipped with four food-grade stainless steel probes, it allows simultaneous monitoring of different food items or ambient temperatures. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and accurate results.



Image 1.1: Inkbird INT-14-BW Wireless Meat Thermometer with its charging base and a smartphone displaying the companion app.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1 x Charging Station (Main Unit)
- 4 x Wireless Probes
- 1 x USB-C Charging Cable
- 1 x User Manual

3. Product Features

- **Versatile Connectivity:** Supports 2.4G WiFi, Bluetooth 5.4, and local mode for flexible monitoring up to 91 meters (300 feet) via Bluetooth or infinite distance via WiFi.

- **Four High-Precision Probes:** Equipped with four food-grade stainless steel probes with zirconium ceramic handles. Each probe can measure both internal food temperature and ambient temperature simultaneously. Accuracy is ±1°C / ±1.8°F.
- **Wide Temperature Ranges:**
  - Food Temperature Range: -10°C to 100°C (14°F to 212°F)
  - Ambient Temperature Range: 0°C to 300°C (32°F to 572°F)
- **Large LCD Display:** A 57 x 102 mm backlit LCD screen simultaneously displays the current temperature for each probe.
- **Extended Battery Life & Fast Charging:** The charging case has a built-in 3500 mAh lithium battery. Probes fully charge in 25 minutes, offering up to 25 hours of continuous use at high temperatures or up to 7 days at normal temperatures. A 5-minute charge provides 5 hours of cooking time.
- **Smart Cooking App:** The INKBIRD app allows monitoring of the cooking process, offers 26 USDA preset menus, 5 cooking levels, and customizable temperature/time settings. Features intelligent temperature alarms and timers. The base stores 30 minutes of local cooking data.
- **Portable & Convenient Design:** Compact and lightweight (420g) with a strong integrated magnet for secure attachment to metallic surfaces. IP67 waterproof rating for easy cleaning.



Image 3.1: The thermometer supports WiFi, Bluetooth, and Local modes for versatile use.



Image 3.2: Four wireless probes allow monitoring of multiple food items simultaneously.



Image 3.3: Detail of a probe showing food and ambient temperature measurement capabilities and accuracy.



Image 3.4: Key features include fast charging, extended battery life, IP67 waterproof rating, and magnetic attachment for convenience.

4. Setup Guide

4.1 Initial Charging

1. Connect the USB-C charging cable to the charging station and a suitable power adapter (not included).
2. Place the wireless probes into their respective slots in the charging station. Ensure they are seated correctly.
3. Allow the probes to charge fully. A full charge takes approximately 25 minutes. The charging indicator on the station will show charging status.

4.2 App Download and Pairing

1. Download the **INKBIRD** app from your smartphone's app store (iOS or Android).
2. Ensure Bluetooth is enabled on your smartphone. For WiFi connectivity, ensure your phone is connected to a 2.4GHz WiFi network.

3. Open the INKBIRD app and follow the on-screen instructions to add your INT-14-BW device. The app will guide you through Bluetooth pairing and, if desired, WiFi network configuration.

4.3 Probe Insertion

When inserting probes into food, ensure the probe tip is in the thickest part of the meat, avoiding bones. The probe insertion depth must exceed the safe cooking line marked on the probe to ensure accurate internal temperature readings.

5. Operating Instructions

5.1 Powering On/Off

- The charging station powers on automatically when probes are removed or when the rotary knob is pressed.
- The probes power on automatically when removed from the charging station.
- To power off, return the probes to the charging station. The station will enter standby mode after a period of inactivity.

5.2 Using the Display

The main unit's LCD display shows real-time temperatures for all inserted probes. Use the rotary knob to navigate through settings or select probes for specific adjustments directly on the device.

5.3 App Usage for Smart Cooking

The INKBIRD app provides comprehensive control and monitoring features:

1. **Select Food Type:** Choose from 26 USDA preset menus for various meats (e.g., beef, chicken, lamb, pork).
2. **Set Doneness/Temperature:** Select your desired cooking level (e.g., rare, medium, well-done) or manually set a target temperature.
3. **Monitor Progress:** View real-time temperature graphs, current temperatures, and target temperatures for each probe.
4. **Set Alarms & Timers:** Configure temperature pre-alarms to notify you before the target temperature is reached, and set count-up or count-down timers for cooking duration.
5. **Data Logging:** The app records cooking data, allowing you to review past cooks.

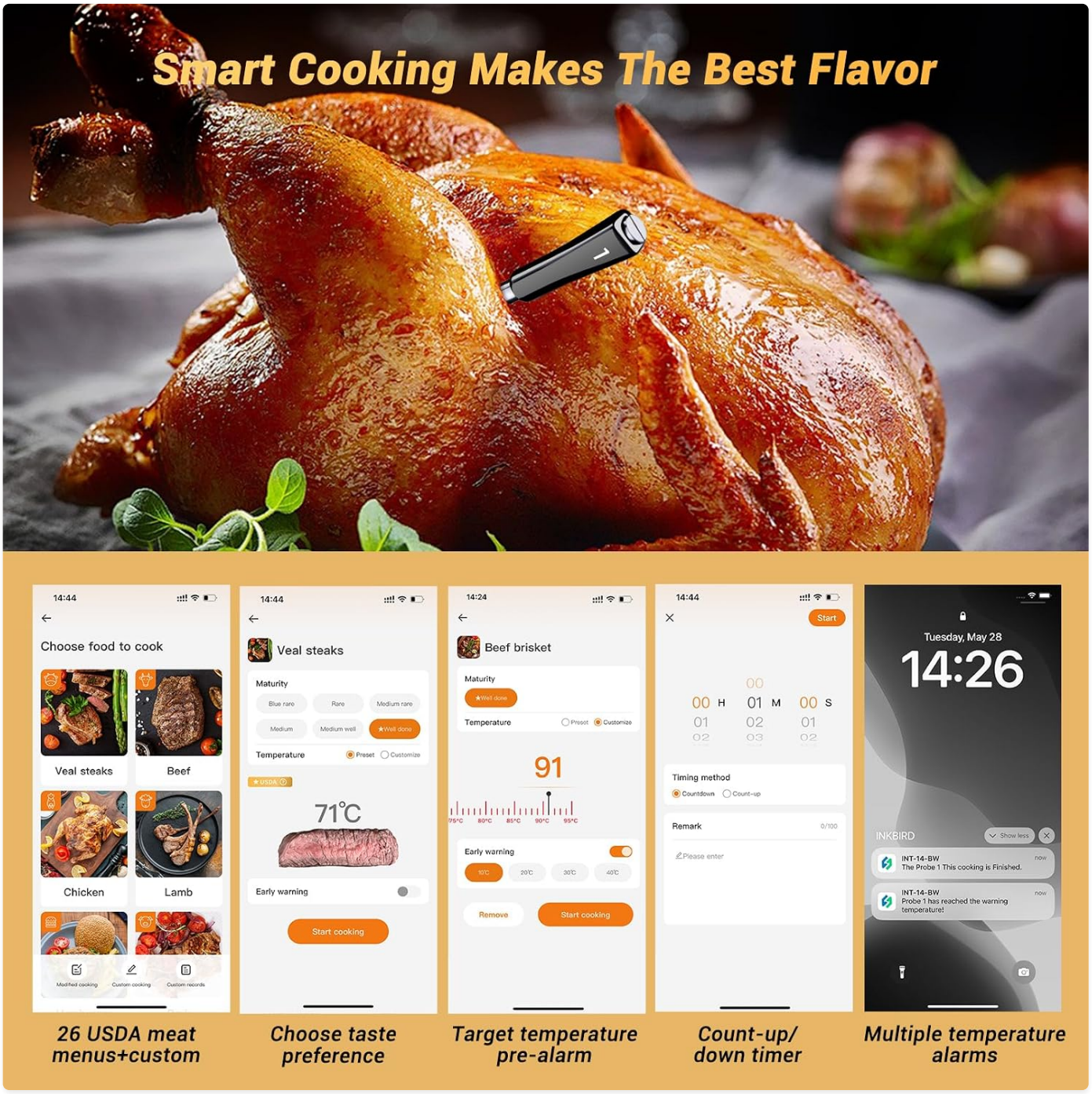


Image 5.1: The INKBIRD app offers smart cooking features including food selection, doneness settings, pre-alarms, and timers.

5.4 Local Mode Operation

In local mode, the device operates without Bluetooth or WiFi connection. You can monitor temperatures directly on the main unit's display. Use the rotary knob to cycle through probe readings or adjust basic settings if available.

6. Maintenance

6.1 Cleaning

- The probes are IP67 waterproof and can be rinsed under running water. Avoid submerging the entire probe for extended periods, especially the ceramic handle.
- Wipe the charging station and probes with a damp cloth. Do not use abrasive cleaners or immerse the charging station in water.
- Ensure probes are completely dry before returning them to the charging station.

6.2 Storage

Store the device and probes in a cool, dry place when not in use. The magnetic back of the charging station allows for convenient storage on metallic surfaces like refrigerators or grill sides.

6.3 Battery Care

To prolong battery life, avoid fully discharging the probes and charging station frequently. Charge the device regularly, even if not in constant use, to maintain battery health.

7. Troubleshooting

- **No Power/Display:** Ensure the charging station and probes are adequately charged. Connect the USB-C cable to charge the main unit.
- **Connectivity Issues (Bluetooth/WiFi):**
  - Ensure your smartphone's Bluetooth is on and the device is within range (for Bluetooth).
  - Verify your WiFi network is 2.4GHz and the signal is strong.
  - Restart the app and the thermometer.
  - Try re-pairing the device through the INKBIRD app.
- **Inaccurate Temperature Readings:**
  - Ensure probes are inserted past the safe cooking line into the thickest part of the food, avoiding bones.
  - Check if probes are clean and undamaged.
  - Calibrate the thermometer if an option is available in the app (refer to app instructions).
- **Probes Not Charging:** Ensure probes are correctly seated in the charging station. Check the USB-C cable and power adapter connection.

8. Specifications

Feature	Detail
Model Number	INT-14-BW
Connectivity Technology	Wi-Fi (2.4G), Bluetooth (5.4)
Number of Probes	4 Wireless Probes
Food Temperature Range	-10°C to 100°C (14°F to 212°F)
Ambient Temperature Range	0°C to 300°C (32°F to 572°F)
Accuracy	±1°C / ±1.8°F
Display Type	LCD
Battery Type	1 Lithium metal (included, 3500 mAh in charging station)
Charging Time	Approx. 25 minutes for probes
Battery Life (Probes)	Up to 25 hours (continuous high temp), up to 7 days (normal temp)
Material	Stainless Steel (probes)

Color	Black
Dimensions (Package)	26.4 x 18.4 x 4.4 cm
Weight (Package)	650 grams
Care Instructions	Wipe clean
Certifications	CE Compliant



Image 8.1: Dimensions of the Inkbird INT-14-BW main unit and a single probe.

9. Warranty and Support

Inkbird products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included in your product packaging or visit the official Inkbird website. If you encounter any issues or require technical assistance, please contact Inkbird customer support through their official channels. Keep your purchase receipt

as proof of purchase for warranty claims.

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