

## Inkbird INT-21-B

# Inkbird INT-21-B Wireless BBQ Thermometer User Manual

Model: INT-21-B

## INTRODUCTION

The Inkbird INT-21-B is a wireless BBQ thermometer designed to provide precise temperature monitoring for various cooking methods, including grilling, roasting, and smoking. Featuring Bluetooth 5.4 connectivity, an ultra-thin probe, and a clear LCD display, this device allows for remote monitoring and accurate temperature control to achieve optimal cooking results.

The base unit operates on two AAA batteries for extended outdoor use, while the probe charges quickly from the base, offering long operational hours for extended cooking tasks.

## WHAT'S IN THE BOX

- Probe x 1
- Base x 1
- AAA Batteries x 2
- User Manual x 1

## PRODUCT OVERVIEW

The Inkbird INT-21-B consists of a main base unit and a detachable probe. The base features an HD LCD display for real-time temperature readings and controls for various settings. The probe is designed for accurate and quick temperature measurement.



Image: The Inkbird INT-21-B thermometer base and probe displayed next to a cooked steak, illustrating its use in a cooking environment.

## Key Components:

- **Probe:** 5mm ultra-thin, food-grade stainless steel with alumina ceramic handle. Features two inner sensors for simultaneous food and oven temperature readings. IP67 waterproof rating.
- **Base Unit:** Houses the LCD display, battery compartment, and charging port for the probe. Provides Bluetooth connectivity and stores offline temperature data.
- **HD LCD Display:** Shows real-time temperature changes and other relevant information.

## SETUP

### 1. Install Batteries in Base Unit

1. Locate the battery compartment on the back of the base unit.
2. Insert the two AAA batteries provided, ensuring correct polarity (+/-).
3. Close the battery compartment securely. The base unit can operate for up to 120 hours on fresh batteries.

### 2. Charge the Probe

1. Insert the probe into the designated charging slot on the base unit.
2. Allow approximately 30 minutes for a full charge. A fully charged probe provides up to 20 hours of continuous use.



*Image: Illustration showing the probe charging in the base unit and indicating battery life: 20 hours of continuous use for the probe after 30 minutes of charging.*

### 3. Connect via Bluetooth (Optional)

1. Download the Inkbird app from your smartphone's app store.
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the Inkbird app and follow the on-screen instructions to pair with your INT-21-B device.
4. The Bluetooth 5.4 connection allows remote monitoring up to 328 ft (100 m).

# Wireless Connection, with a Distance up to 328FT

Enjoy The Cooking Time



Image: Diagram illustrating the wireless connection range of the Inkbird INT-21-B thermometer, showing up to 100 meters (328 feet) for remote monitoring via a smartphone app.

## OPERATING INSTRUCTIONS

### 1. Probe Insertion

1. Carefully insert the 5mm ultra-thin probe into the thickest part of the meat, avoiding bones.
2. Ensure the probe is inserted beyond the "Safe Cooking Line" marked on the probe for accurate readings of both food and ambient temperatures.
3. The probe's design minimizes damage to the meat texture.

# 5mm Ultra Thin Meat Probe

Smoother to insert and less damage to meat texture

# 5MM



*Image: Close-up of the 5mm ultra-thin meat probe inserted into a piece of meat cooking over flames, highlighting its design for minimal damage.*

## Two Sensors, Better Control

### 1 14-212°F Food temp

(212°F is the ultimate temperature and the highest usable temperature is 205°F)



±1.8°F Precision Measurement

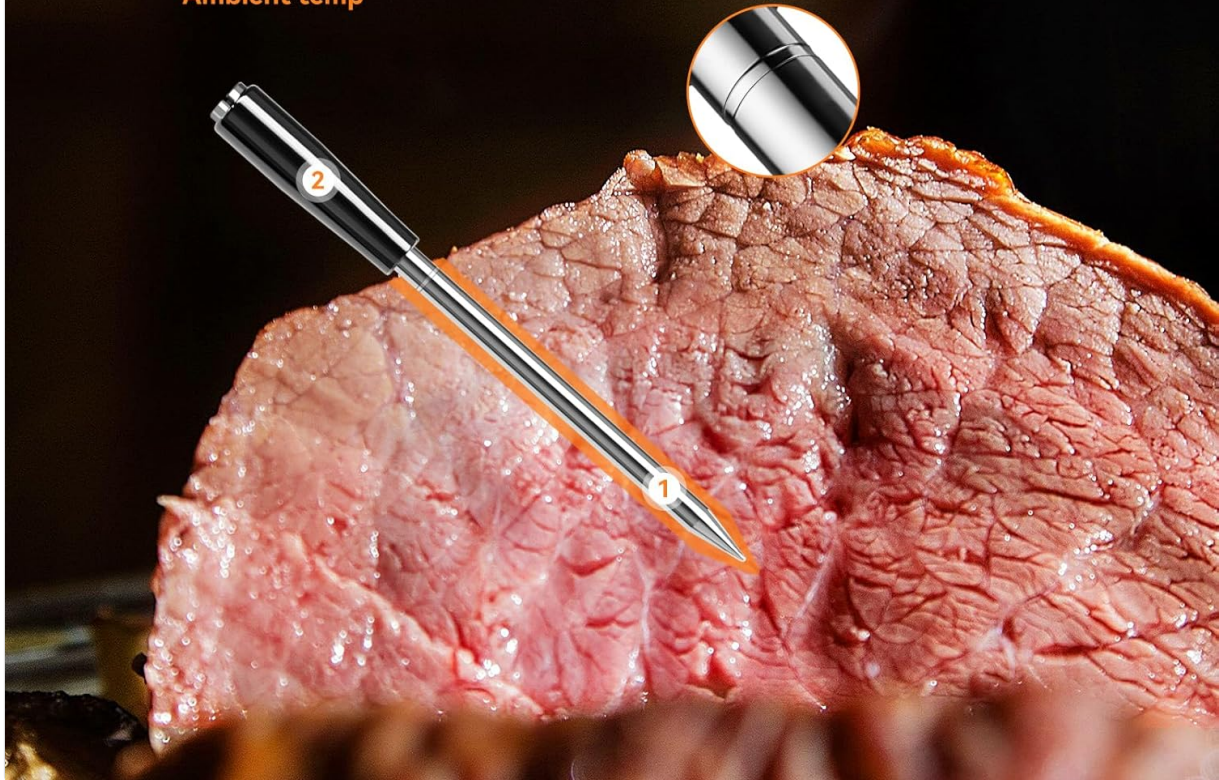


1 Sec Ultra Fast Response

### 2 32-572°F Ambient temp

#### Safe Cooking Line

(insert beyond the line when cooking)



*Image: Detailed view of the probe showing two sensors for measuring food temperature (14-212°F) and ambient temperature (32-572°F), with a precision of ±1.8°F and 1-second response time. The safe cooking line is also indicated.*

## 2. Monitoring Temperatures

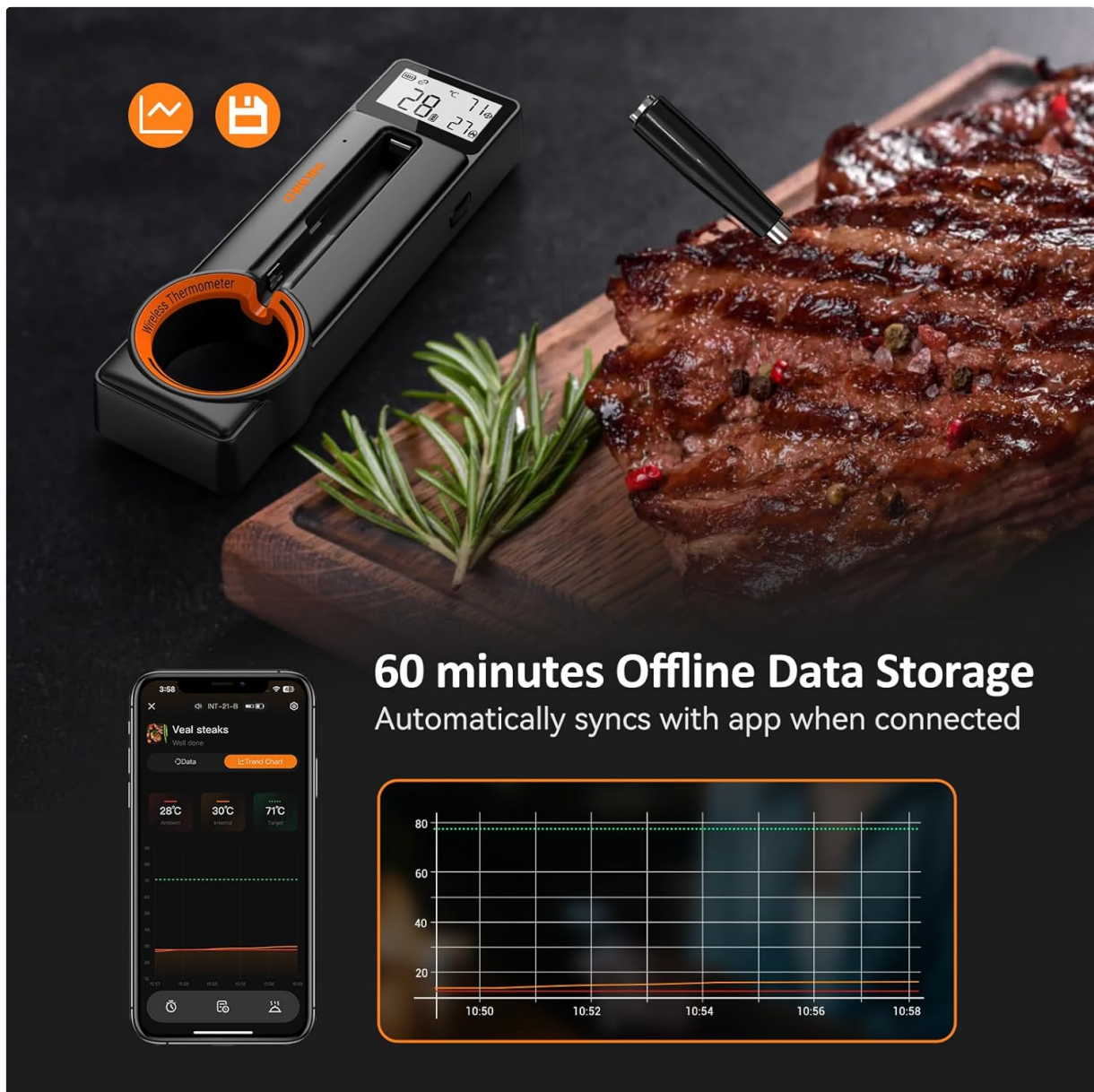
- **On the Base Unit:** The HD LCD screen on the base unit will display real-time food and ambient temperatures.
- **Via Smartphone App:** If connected, the Inkbird app provides real-time temperature updates, historical data, and allows for advanced settings. The base unit saves 60 minutes of offline temperature data, which automatically syncs with the app when reconnected.

## See More, Control More

Clear LCD screen displays all temperatures  
for more intuitive cooking



Image: Close-up of the Inkbird INT-21-B base unit's LCD screen, clearly displaying current food and ambient temperatures.



**60 minutes Offline Data Storage**  
Automatically syncs with app when connected

*Image: Screenshot of the Inkbird app displaying temperature trend charts and showing the 60-minute offline data storage feature that syncs automatically when connected.*

### 3. Using Smart Features (App)

- **Preset Menus:** The app offers 26 preset meat menus with USDA-recommended cooking temperatures. Select the desired meat type and doneness.
- **Custom Temperature Alarms:** Set your own target temperature and pre-alarm thresholds. The app will notify you when the temperature is approaching or has reached the target.
- **Count-up/Count-down Timer:** Utilize the integrated timer for precise cooking duration management.

## MAINTENANCE

### Cleaning the Probe

- The probe is IP67 waterproof and can be cleaned in a dishwasher.
- Alternatively, wash the probe with warm, soapy water and rinse thoroughly.
- Ensure the probe is completely dry before storing or reinserting into the base unit.
- **Caution:** Do not immerse the base unit in water. Clean the base unit with a damp cloth only.

## Storage

- Store the thermometer in a clean, dry place when not in use.
- Ensure the probe is securely placed in the base unit's storage slot.
- Remove AAA batteries from the base unit if storing for extended periods to prevent leakage.

## TROUBLESHOOTING

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### No Power on Base Unit

- Check if the AAA batteries are correctly installed with proper polarity.
- Replace the AAA batteries with new ones if they are depleted.

### Probe Not Charging or Not Working

- Ensure the probe is fully inserted into the charging slot on the base unit.
- Verify that the base unit has power (batteries installed and functional).
- Clean the probe's contact points and the charging slot if there is any residue.

### Bluetooth Connectivity Issues

- Ensure Bluetooth is enabled on your smartphone.
- Make sure the Inkbird app is open and running.
- Move your smartphone closer to the base unit to ensure it's within the 328 ft (100 m) range. Obstacles like walls can reduce range.
- Restart both the base unit (by removing and reinserting batteries) and your smartphone's Bluetooth.
- Try unpairing and re-pairing the device in the app settings.

### Inaccurate Temperature Readings

- Ensure the probe is inserted correctly into the thickest part of the meat, avoiding bones, and past the "Safe Cooking Line".
- Verify that the probe's tip is not touching the cooking surface or pan.
- Check for any visible damage to the probe cable or tip.

## SPECIFICATIONS

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<b>Brand</b>	Inkbird
<b>Model Number</b>	IB-1040-BO-LWUS (INT-21-B)
<b>Connectivity</b>	Bluetooth 5.4
<b>Wireless Range</b>	Up to 328 ft (100 m)
<b>Probe Material</b>	Food-grade 304 Stainless Steel, Alumina Ceramic Handle
<b>Probe Thickness</b>	5 mm
<b>Temperature Accuracy</b>	±1 °C / ±1.8 °F
<b>Response Time</b>	1 second

<b>Food Temperature Range</b>	14°F to 212°F (-10°C to 100°C)
<b>Ambient Temperature Range</b>	32°F to 572°F (0°C to 300°C)
<b>Probe Waterproof Rating</b>	IP67 (Dishwasher Safe)
<b>Base Unit Power</b>	2 x AAA Batteries (up to 120 hours operation)
<b>Probe Charging Time</b>	30 minutes (for 20 hours operation)
<b>Offline Data Storage</b>	60 minutes

## WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Inkbird INT-21-B Wireless BBQ Thermometer, please refer to the official Inkbird website or contact Inkbird customer service directly. Contact details are typically found in the included user manual or on the manufacturer's website. You can visit the official Inkbird store on Amazon for more information: [Inkbird Store](#)