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Inkbird IDT-22-B

INKBIRD IDT-22-B Smart Bluetooth Food Thermometer User Manual

Model: IDT-22-B

1. Introduction

Thank you for choosing the INKBIRD IDT-22-B Smart Bluetooth Food Thermometer. This device is designed to help you achieve precise cooking results by monitoring food temperatures with dual probes and providing real-time data via a smartphone application. Please read this manual thoroughly before use to ensure proper operation and maintenance.

2. Product Overview

2.1 Key Features

- **Dual Probe System:** Monitor two different food items simultaneously.
- **High Accuracy:** Temperature measurement accurate to ±1°C (1.8°F).
- **Enhanced Bluetooth 5.4 Connectivity:** Up to 100 meters (330 feet) open transmission distance for app control.
- **Offline Data Storage:** Stores up to 2 hours of temperature data, syncing with the app upon connection.
- **Backlit HD LCD:** Adjustable brightness for clear visibility in various lighting conditions.
- **Temperature Alarms & Timer:** Customizable high/low temperature alarms, target temperature pre-alarm, and cooking timer.
- **29 Preset Meat Menus:** USDA recommended cooking temperatures available in the INKBIRD app.
- **USB-C Rechargeable:** Built-in 500 mAh lithium battery provides up to 45 hours of continuous use in low power mode.
- **Unique Probe Winder Stand:** Collapsible stand for stable placement and neat probe storage.

2.2 Package Contents

- INKBIRD IDT-22-B Thermometer Unit
- 2 x Stainless Steel Temperature Probes
- 1 x USB-C Charging Cable
- User Manual (this document)

2.3 Device Layout



Image Description: The INKBIRD IDT-22-B thermometer unit is shown alongside a smartphone displaying the INKBIRD app interface. Two temperature probes, one with a green handle and one with an orange handle, are connected to the unit. A small metal clip for probe management is also visible. This image illustrates the main components and the app integration.

The main unit features a large, clear LCD display showing temperature readings for both probes. It has two ports for connecting the temperature probes and a USB-C port for charging. The unique collapsible stand at the back serves both as a stable base and a winder for probe cables.

3. Setup

3.1 Charging the Device

1. Connect the provided USB-C charging cable to the charging port on the thermometer unit.
2. Plug the other end of the cable into a standard USB power adapter (not included) or a computer USB port.
3. The battery icon on the LCD will indicate charging status. A full charge typically takes about 2 hours.
4. Ensure the device is fully charged before first use for optimal battery life.



Image Description: The INKBIRD IDT-22-B thermometer is shown connected to a wall charger via a USB-C cable, illustrating the charging process. The display shows a battery icon indicating charging, and text highlights the 500mAh built-in lithium battery and 45 hours of continuous use in low power mode.

3.2 Installing Probes

1. Carefully insert the stainless steel probes into the designated ports on the side of the thermometer unit.
2. Ensure the probes are fully inserted for a secure connection.
3. The thermometer will automatically detect the connected probes.

3.3 Downloading and Connecting to the INKBIRD App

1. Scan the QR code provided in the package or search for "INKBIRD" in your smartphone's app store (App Store for iOS, Google Play for Android).
2. Download and install the INKBIRD app.
3. Ensure Bluetooth is enabled on your smartphone.
4. Open the INKBIRD app and follow the on-screen instructions to pair your IDT-22-B thermometer. The app will guide you through the connection process.

5. Once connected, the app will display real-time temperature readings and allow access to all smart features.



Image Description: This image illustrates the enhanced Bluetooth 5.4 connectivity of the INKBIRD IDT-22-B thermometer. It shows the thermometer unit on a grill table with probes inserted into meat, and a smartphone displaying the app. The graphic highlights a 100m/330ft open transmission distance, indicating strong and reliable wireless control.

4. Operating Instructions

4.1 Basic Temperature Monitoring

1. Insert the probe tip into the thickest part of the food, avoiding bone or gristle.
2. The current temperature will be displayed on the thermometer's LCD screen and within the INKBIRD app.
3. The device supports a short-time measurement range of 0°C to 300°C (32°F to 572°F) and a continuous monitoring range of 0°C to 250°C (32°F to 482°F).

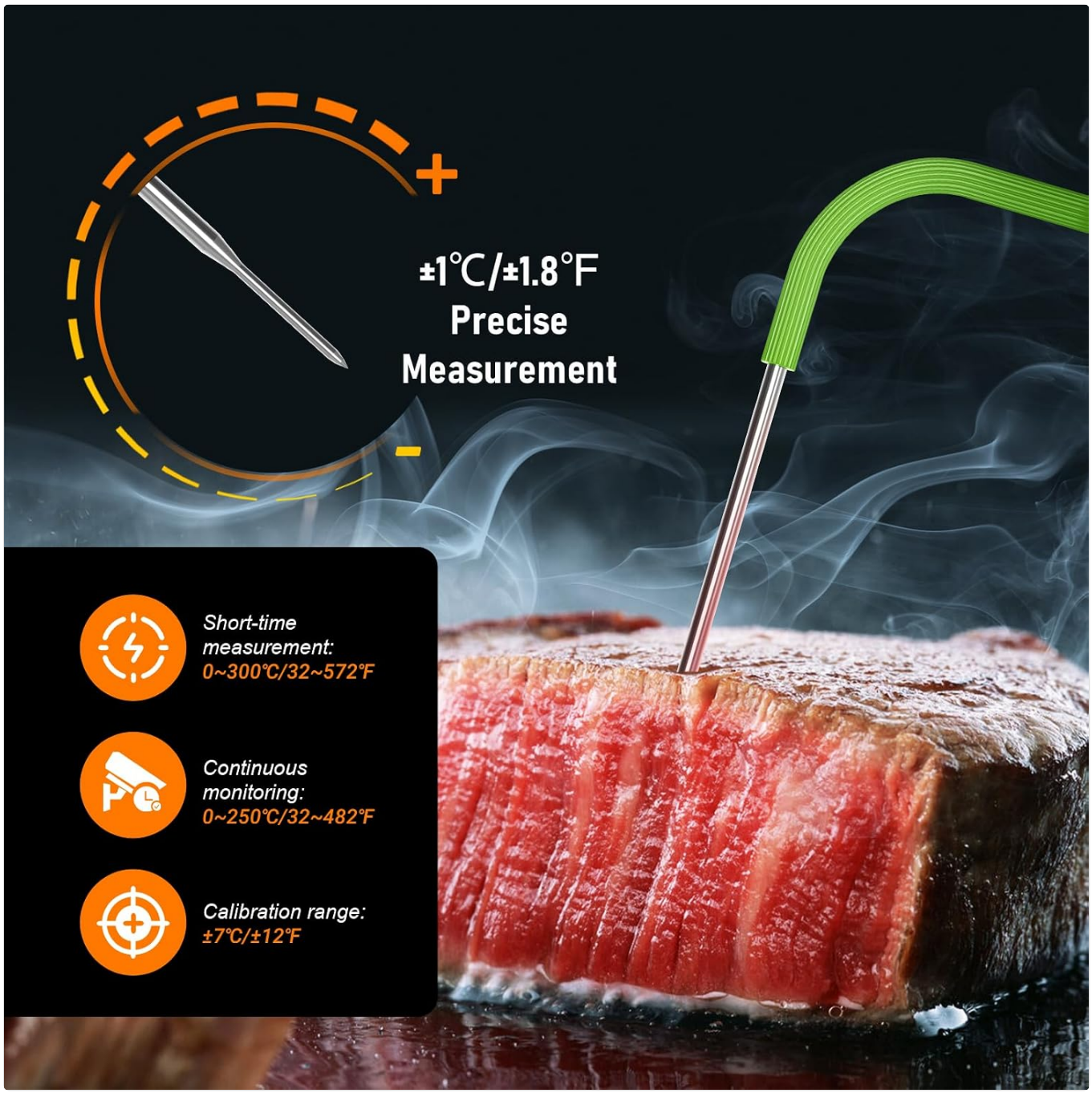

Image Description: A close-up of a temperature probe inserted into a cut of meat, demonstrating precise measurement. The image highlights the ±1°C (1.8°F) accuracy, short-time measurement range (0-300°C/32-572°F), and continuous monitoring range (0-250°C/32-482°F).

4.2 Setting Temperature Alarms

Temperature alarms can be set via the INKBIRD app.

1. In the app, select the probe you wish to configure.
2. Choose from preset meat menus with USDA recommended temperatures or set a custom target temperature.
3. You can also set high and low temperature alarms to be notified if the temperature goes outside a desired range.
4. A pre-alarm feature can notify you before the target temperature is reached.
5. When an alarm condition is met, the thermometer unit will beep and flash, and your smartphone will receive a notification.



Image Description: The image shows the INKBIRD thermometer unit displaying an alarm state ("Beep!" "Flash!") and a smartphone receiving an "IDT-22-B Alarm" notification, indicating that Probe 1 has reached its target temperature. This demonstrates the instant temperature alarm functionality.

4.3 Using the Cooking Timer

The INKBIRD app includes a cooking timer function.

1. Access the timer settings within the app.
2. Set a countdown timer for your cooking duration.
3. The app will notify you when the timer expires.

5. INKBIRD App Usage

The INKBIRD app enhances your cooking experience with advanced monitoring and control features.

5.1 App Features

- **29 Meat Menus:** Select from a variety of pre-programmed meat types and doneness levels.

- **Custom Settings:** Manually set target temperatures, high/low alarms, and pre-alarms.
- **Temperature Graph:** View real-time and historical temperature data in a graphical format. The device stores 2 hours of offline data which syncs when the app connects.
- **Adjustable Backlight:** Control the brightness of the thermometer's LCD screen from 0% to 100%.
- **Notifications:** Receive alerts for temperature changes, alarms, and timer completion.



Image Description: A collage of smartphone screens demonstrating various features of the INKBIRD app. These include choosing taste preferences, personalized settings, count-up/down timer, multiple temperature alarms, and target temperature pre-alarm, all designed for smarter cooking.



Image Description: The INKBIRD app interface is shown displaying a temperature graph, illustrating the progression of internal food temperature over time. The image also highlights the feature of 2 hours of offline temperature data storage, which can be synced to the app.

6. Maintenance and Care

6.1 Cleaning

- **Probes:** After each use, clean the stainless steel probes with warm soapy water. Rinse thoroughly and dry completely before storage. Do not immerse the probe connectors in water.
- **Main Unit:** Wipe the thermometer unit with a soft, damp cloth. Do not immerse the unit in water or expose it to excessive moisture.
- Do not use abrasive cleaners or harsh chemicals, as these can damage the device.

6.2 Storage

- Store the thermometer and probes in a clean, dry place when not in use.
- Utilize the unique probe winder stand to neatly store the probe cables, preventing tangles and potential damage.

- Keep the device away from extreme temperatures and direct sunlight.



Image Description: A detailed view of the INKBIRD IDT-22-B thermometer's unique collapsible stand, which doubles as a probe winder. The image shows the probe cables neatly wrapped around the stand, emphasizing its function in keeping everything tidy and organized.

7. Troubleshooting

Problem	Possible Cause	Solution
No power/Device won't turn on	Low battery	Charge the device using the USB-C cable.
Bluetooth connection issues	Bluetooth off on phone; device out of range; interference	Ensure phone Bluetooth is on. Move closer to the device. Restart both the thermometer and the app. Check for obstructions.

Problem	Possible Cause	Solution
Inaccurate temperature readings	Probe not fully inserted; probe damaged; calibration needed	Ensure probes are fully inserted. Test probes in boiling water/ice water for accuracy. If consistently inaccurate, probes may need replacement or calibration via the app.
App not displaying data	App not connected; background refresh disabled	Verify Bluetooth connection in the app. Check app permissions and ensure background app refresh is enabled for the INKBIRD app.

8. Specifications

- **Model:** IDT-22-B
- **Brand:** Inkbird
- **Connectivity:** Bluetooth 5.4
- **Bluetooth Range:** Up to 100m (330ft) in open areas
- **Probe Measurement Range (Short-time):** 0°C to 300°C (32°F to 572°F)
- **Probe Measurement Range (Continuous):** 0°C to 250°C (32°F to 482°F)
- **Temperature Accuracy:** ±1°C (±1.8°F)
- **Battery:** Built-in 500 mAh Lithium Ion
- **Charging Port:** USB-C
- **Battery Life:** Up to 45 hours (low power mode)
- **Display:** Backlit HD LCD
- **Material:** Stainless Steel (probes)
- **Dimensions:** Approximately 92mm (W) x 64mm (H) x 23mm (D) (Main Unit)
- **Weight:** 220 g
- **Country of Origin:** China



Image Description: A diagram illustrating the physical dimensions of the INKBIRD IDT-22-B thermometer unit. Key measurements such as width (92mm), height (64mm), and depth (23mm) are clearly marked, along with the probe cable length (1.2m/3.9ft).

9. Warranty and Support

The INKBIRD IDT-22-B Smart Bluetooth Food Thermometer comes with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your product packaging or contact INKBIRD customer support.

For technical assistance, troubleshooting, or any inquiries regarding your device, please visit the official INKBIRD website or contact their customer service team.

Manufacturer: INKBIRD

Model Number: IDT-22-B

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