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Inkbird IHT-2XP3

INKBIRD IHT-2XP3 Instant Read Meat Thermometer User Manual

Model: IHT-2XP3 / TDI-123

1. Introduction

The INKBIRD IHT-2XP3 is a versatile instant-read meat thermometer designed for accurate temperature measurement of various foods. It features a rechargeable battery, magnetic back, backlight, and the ability to use up to two external probes for continuous monitoring. This manual provides detailed instructions for its proper use and maintenance.

2. Package Contents

- 1 x INKBIRD IHT-2XP3 Instant Read Meat Thermometer
- 2 x External Temperature Probes
- 1 x USB Charging Cable
- 1 x User Manual



Image: The INKBIRD IHT-2XP3 thermometer, two external probes, and USB charging cable.

3. Product Overview

3.1 Main Unit Features

- **Large Backlit LCD Screen:** Displays temperature readings clearly.
- **Instant Read Probe:** Integrated foldable probe for quick temperature checks.
- **External Probe Sockets:** Two ports for connecting external probes for continuous monitoring.
- **Rechargeable Battery:** Built-in lithium-ion battery, charged via USB.
- **Magnetic Back:** Allows attachment to metal surfaces like refrigerators or ovens.
- **Temperature Alarm:** Set desired temperature alerts for external probes.
- **°C/°F Selection:** Easily switch between Celsius and Fahrenheit.
- **Hold Function:** Locks the current temperature reading on the display.
- **Auto-Off/Sleep:** Automatically powers off after a period of inactivity to conserve battery.



Image: Overview of the INKBIRD IHT-2XP3 thermometer highlighting its key features including three probes, alarm, accuracy, fast readout, switchable units, hold function, magnetic back, rechargeable battery, and IPX5 splash proof rating.

PRODUCT DETAILS



Image: Detailed diagram showing the LCD screen, probe sockets, battery charge port, HOLD/UP button, SET button, and POWER/DOWN button. Also illustrates °C/°F selection, rechargeable battery, auto-off/sleep, magnetic back, and temperature alarms.

4. Setup

4.1 Charging the Thermometer

1. Locate the USB charging port on the side of the thermometer.
2. Connect the provided USB charging cable to the port and a standard USB power adapter (not included).
3. The battery indicator on the display will show charging status. A full charge typically takes a few hours.
4. Disconnect the cable once fully charged.

4.2 Attaching External Probes

1. Identify the two external probe sockets on the thermometer.
2. Carefully insert the external probe connectors into the sockets. Ensure a secure connection.
3. The thermometer will automatically detect the connected probes.

5. Operation

5.1 Power On/Off

- To power on, press the **POWER/DOWN** button.
- To power off, press and hold the **POWER/DOWN** button for 3 seconds.
- The thermometer will automatically turn off after 3 minutes of inactivity if no external probes are connected and the instant-read probe is folded.



Image: Illustration of the automatic on/off function, showing the device turning on when the probe is extended and off when folded or after 3 minutes of inactivity.

5.2 Using the Instant Read Probe

1. Unfold the integrated probe from the side of the thermometer. This will automatically power on the device.
2. Insert the probe tip into the thickest part of the food, avoiding bone or gristle.
3. The temperature will display within 2-3 seconds.
4. Fold the probe back into the unit to turn off the thermometer (if no external probes are connected).



Image: A hand holding the INKBIRD IHT-2XP3 thermometer with its instant-read probe inserted into a cooked steak, displaying a temperature of 138°F.

5.3 Using External Probes

1. Connect the external probes as described in Section 4.2.
2. Insert the external probe tips into the food you wish to monitor.
3. The display will cycle through the temperatures of the connected probes (P1, P2).
4. The external probes are designed for continuous monitoring in ovens, grills, or smokers.



Image: The thermometer displaying temperatures from three probes, including the instant-read probe and two external probes, demonstrating its versatility.

5.4 Setting Temperature Alarms

1. Press and hold the **SET** button for 2 seconds to enter the menu.
2. Press the **SET** button repeatedly to cycle through functions until you reach the alarm setting for the desired probe (TS/TS1/TS2).
3. Use the **HOLD/UP** button to increase the target temperature or the **POWER/DOWN** button to decrease it. Long press for faster adjustment.
4. Press and hold the **SET** button for 2 seconds to save changes and exit. The alarm will sound when the food reaches the set temperature.



Image: Step-by-step visual guide on how to set the alarm temperature for the probes using the SET, HOLD, and POWER buttons.

5.5 Temperature Unit Selection (°C/°F)

- With the thermometer powered on, press the **SET** button once to toggle between Celsius (°C) and Fahrenheit (°F).

5.6 Hold Function

- Press the **HOLD/UP** button once to lock the current temperature reading on the display.
- Press the **HOLD/UP** button again to release the hold and resume live temperature readings.

6. Calibration

The INKBIRD IHT-2XP3 comes pre-calibrated. However, if you suspect inaccuracies, you can perform a manual calibration.

6.1 Calibration Procedure

1. Prepare an ice bath (0°C / 32°F) or boiling water (100°C / 212°F at sea level) for calibration.
2. Press and hold the **SET** button for 2 seconds to enter the menu.

3. Press the **SET** button repeatedly to choose the calibration function (CA/CA1/CA2).
4. Insert the probe into the ice bath or boiling water.
5. Use the **HOLD/UP** button to increase the value or the **POWER/DOWN** button to decrease it, adjusting the reading to 0.0°C (32.0°F) or 100.0°C (212.0°F) respectively.
6. Press and hold the **SET** button for 2 seconds to save changes and exit.



Image: Step-by-step visual guide on how to calibrate the thermometer's temperature using the SET, HOLD, and POWER buttons.

7. Maintenance

7.1 Cleaning

- Clean the probe tips with a damp cloth or mild soapy water after each use.
- Wipe the thermometer body with a damp cloth. Do not immerse the main unit in water. The unit is IPX5 splash-proof, but not waterproof for submersion.
- Ensure probes are dry before storage.

7.2 Storage

- Fold the instant-read probe back into the unit.
- Store the thermometer in a dry place at room temperature.
- The magnetic back allows for convenient storage on metal surfaces.



Image: Examples of how the thermometer can be easily stored using its magnetic back on an oven or refrigerator, or hung via its integrated loop.

8. Troubleshooting

Problem	Possible Cause	Solution
Thermometer does not turn on.	Low battery.	Charge the thermometer using the provided USB cable.
Inaccurate temperature readings.	Probe not inserted correctly; needs calibration.	Ensure probe is in the thickest part of the food. Perform calibration as per Section 6.
External probe not detected.	Loose connection; faulty probe.	Ensure the external probe is securely plugged into the socket. Try a different probe if available.
Display is dim or flickering.	Low battery.	Charge the thermometer.

9. Specifications

- **Model:** IHT-2XP3 / TDI-123
- **Temperature Range:** -50°C to 300°C (-58°F to 572°F)
- **Accuracy:** ±0.5°C / ±1.0°F
- **Response Time:** 2-3 seconds (instant-read probe)
- **Power Source:** Rechargeable Lithium-Ion Battery
- **Charging:** USB
- **Material:** ABS Plastic, Food-Grade Stainless Steel
- **Water Resistance:** IPX5 splash-proof
- **Special Features:** Backlight, Magnetic Back, Hold Function, Calibration, Temperature Alarms



Image: Diagram illustrating the dimensions of the instant-read probe (11cm / 4.33 inches) and the external probe with its heat-resistant cable (150cm / 59.05 inches), emphasizing safe probe length.

10. Safety Information

- Do not touch hot probes with bare hands. Always use oven mitts or gloves.
- Keep the thermometer and probes out of reach of children.
- Do not expose the thermometer to direct flame or extreme heat beyond its specified temperature range.
- The main unit is splash-proof (IPX5), but do not immerse it in water or other liquids.
- Use only the provided USB cable for charging.
- Dispose of the product and its battery responsibly according to local regulations.

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