

Inkbird IHT-21K

INKBIRD Instant Read Meat Thermometer IHT-21K User Manual

Model: IHT-21K

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your INKBIRD IHT-21K Instant Read Meat Thermometer. Please read this manual thoroughly before operation and retain it for future reference.

PRODUCT OVERVIEW

Key Features

- **0.5s Ultra Fast Reading and $\pm 0.3^{\circ}\text{C}$ Super High Accuracy:** Equipped with a K sensor for higher stability, accuracy, and efficiency in temperature measurement. Reads temperatures in just 0.5 seconds with an accuracy of $\pm 0.3^{\circ}\text{C}/\pm 0.5^{\circ}\text{F}$.
- **Wide Range of Application:** Temperature measurement range of -58.0°F to 572°F (-50.0°C to 300°C), suitable for pan frying, deep frying, baking, home brewing, and beverages.
- **IP65 Waterproof, Washable Body:** Dustproof, waterproof, and oil-resistant. Can be washed directly under running water.
- **Clear VA LCD with 2 Strong Magnets:** One key locks the temperature reading. Premium VA LCD (1.57*0.78inch/40*20MM) for visibility even in sunlight. Two strong magnets on the back for convenient attachment to refrigerators.
- **Temperature Unit Selection and Calibration:** Switch between Celsius and Fahrenheit. Temperature calibration function ensures accurate readings.

Package Contents

- Instant-Read Meat Thermometer x 1
- Charging Cable x 1
- User Manual x 1

SETUP

Charging the Device

The INKBIRD IHT-21K thermometer is powered by a 500mAh rechargeable battery. Before first use, fully charge

the device.

1. Locate the Type-C charging port on the thermometer.
2. Connect the provided charging cable to the thermometer and a suitable USB power source.
3. The battery indicator on the display will show charging status. A full charge typically takes approximately 1 hour.



Image: The thermometer connected to a charging cable, illustrating the Type-C port and battery indicator.

Initial Power On and Probe Deployment

1. To power on the thermometer, gently unfold the probe. The device will automatically turn on.
2. The display will illuminate, showing the current temperature.
3. To turn off, fold the probe back into the housing. The device features an auto-off function after 3 minutes in a locked state or 1 minute in an unlocked state to conserve battery.

K sensor Probe

0.5s Lighting-Fast Readings

0.5S



Image: The thermometer with its probe extended, displaying a temperature reading, highlighting its fast response time.

OPERATING INSTRUCTIONS

Taking a Temperature Reading

1. Unfold the probe to power on the device.
2. Insert the stainless steel probe into the thickest part of the food, avoiding bone or gristle.
3. Wait for approximately 0.5 seconds for the temperature reading to stabilize on the VA LCD screen.
4. The large VA LCD screen ensures clear visibility of the temperature, even in bright sunlight.

Clear VA LCD Screen

The large VA LCD screen allows you to clearly view the values even in sunlight



Image: The thermometer placed on a grill next to cooking meat, showing a clear temperature reading on its VA LCD screen.

Lock Function

To hold the current temperature reading on the display after withdrawing the probe from the food:

1. Press the "HOLD" button once. The reading will be locked on the screen.
2. Press the "HOLD" button again to unlock and resume live temperature measurement.

Switching Temperature Units (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F):

1. Locate the °C/°F button on the device.
2. Press the button to toggle between the two temperature units.

500mAh Rechargeable Battery



Image: The thermometer displaying temperature, with icons indicating Fahrenheit/Celsius switching and calibration features.

Temperature Calibration

The thermometer features a calibration function to ensure accuracy. If you suspect the readings are inaccurate, you can calibrate the device:

1. Prepare a cup of ice water (a mixture of crushed ice and water). The temperature should be 0°C (32°F).
2. Insert the probe into the ice water.
3. Refer to the user manual for specific button combinations or menu options to enter calibration mode. (Note: Specific calibration steps are often detailed in the printed manual or on the device itself, as they can vary.)
4. Adjust the reading to 0°C (32°F) if necessary.

MAINTENANCE

Cleaning

The INKBIRD IHT-21K is IP65 waterproof, making it easy to clean:

1. After each use, fold the probe back into the thermometer.
2. Rinse the entire thermometer under running water.

3. Wipe it dry with a clean cloth.
4. Do not immerse the thermometer in water for extended periods or clean it in a dishwasher.



Image: A hand holding the thermometer under running water, illustrating its IP65 waterproof capability.

Storage

For convenient storage, the thermometer features two strong magnets on its back:

1. Attach the thermometer to metal surfaces such as a refrigerator door or oven side.
2. Ensure the storage location is clean and dry.
3. Avoid attaching the thermometer to the exterior of an oven during operation, as temperatures exceeding 80°C (176°F) may damage the unit.



Image: The thermometer shown magnetically attached to a refrigerator, demonstrating its built-in magnets for easy storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermometer does not turn on.	Battery is depleted.	Charge the thermometer using the provided USB-C cable.
Inaccurate temperature readings.	Probe not inserted correctly; calibration needed.	Ensure the probe is inserted into the thickest part of the food. Perform a temperature calibration using ice water.
Display is dim or unreadable.	Low battery; excessive glare.	Charge the thermometer. Adjust viewing angle or move to a shaded area if glare is an issue.
Auto-off function activates too quickly.	Normal operation to conserve battery.	Unfold the probe or press any button to reactivate. Ensure the probe is fully extended during use.

SPECIFICATIONS

Feature	Detail
Model Name	IHT-21K
Temperature Range	-50.0°C to 300°C (-58.0°F to 572°F)
Accuracy	±0.3°C / ±0.5°F
Reading Speed	0.5 seconds
Waterproof Rating	IP65
Display Type	VA LCD screen
Power Source	Battery Powered (500mAh rechargeable)
Charging Port	Type-C
Auto-Off	1 minute (unlocked), 3 minutes (locked)
Special Features	Waterproof, Magnetic Back, Temperature Calibration, °C/°F Switchable
Dimensions	19 x 7.6 x 2.4 cm
Weight	120 g
Manufacturer	INKBIRD
Country of Origin	China

WARRANTY & SUPPORT

For technical support, warranty information, or any inquiries regarding your INKBIRD IHT-21K thermometer, please contact INKBIRD customer service.

- **Email:** support@ink-bird.com
- **Website:** <https://www.ink-bird.com/>

INKBIRD typically offers a two-year warranty on its products. Please refer to your purchase documentation or the official INKBIRD website for the most current warranty terms and conditions.

Related Documents - IHT-21K

 <p>INKBIRD</p> <p>INSTANT READ MEAT THERMOMETER</p> <p>IHT-21K</p> <p>USER MANUAL</p>	<p>INKBIRD IHT-21K Instant Read Meat Thermometer User Manual</p> <p>User manual for the INKBIRD IHT-21K instant read meat thermometer. Learn about its features, operation, troubleshooting, and specifications for accurate food temperature measurement.</p>
	<p>Inkbird IHT-1M Digital Meat Thermometer User Manual</p> <p>Comprehensive user manual for the Inkbird IHT-1M digital meat thermometer, detailing features, specifications, operation, maintenance, and troubleshooting for accurate cooking temperature monitoring.</p>
	<p>INKBIRD IHT-1K Digital Food Thermometer - Accurate Temperature Measurement</p> <p>Discover the INKBIRD IHT-1K Digital Food Thermometer, featuring a fast 1-second readout, wide temperature range (-50°C to 300°C), IPX5 waterproof rating, and rechargeable battery. Ideal for precise temperature checks on food, liquids, and semi-solids.</p>
 <p>Bluetooth Digital Food Thermometer With 2 External Probes</p>	<p>INKBIRD IHT-2PB Bluetooth Digital Food Thermometer User Manual</p> <p>Comprehensive user manual for the INKBIRD IHT-2PB Bluetooth Digital Food Thermometer, detailing features, setup, operation, troubleshooting, and specifications for precise cooking.</p>
 <p>Bluetooth Digital Food Thermometer With 2 External Probes</p>	<p>INKBIRD IHT-2PB Bluetooth Digital Food Thermometer User Manual</p> <p>Comprehensive user manual for the INKBIRD IHT-2PB Bluetooth Digital Food Thermometer with 2 external probes. Learn about features, specifications, operation, connection, troubleshooting, and warranty.</p>



[INKBIRD INT-11I-B Wireless Digital Thermometer User Manual](#)

Comprehensive user manual for the INKBIRD INT-11I-B wireless digital thermometer, covering features, specifications, operation, and troubleshooting for grilling, smoking, and cooking.