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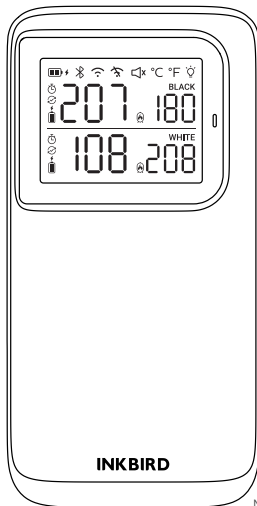**INT-12E-BW**

WIRELESS DUAL-MODE MULTI-SENSOR
NEEDLE TYPE MEAT THERMOMETER USER MANUAL

Please keep this manual properly for reference. You can also scan the QR code to visit our official website for product usage videos. For any usage issues, please feel free to contact us at **support@inkbird.com.**

Wenn Sie eine Bedienungsanleitung in deutscher Sprache benötigen, scannen Sie bitte den QR-Code und besuchen Sie unsere Website, um sie zu erhalten und ein Video über die Verwendung des Produkts zu sehen.

Se avete bisogno di un manuale di istruzioni in italiano, scansionate il codice QR e visitate il nostro sito web per ottenerlo e vedere un video su come utilizzare il prodotto.

Si vous avez besoin d'un mode d'emploi en français, veuillez scanner le code QR pour visiter notre site officiel afin d'obtenir et de visionner la vidéo d'utilisation du produit !

Als je een Nederlandstalige handleiding nodig hebt, scan dan de QR-code om naar onze officiële website te gaan en bekijk de video over het gebruik van het product!

Si necesita el manual de instrucciones en español, escanee el código QR para ir a nuestro sitio web oficial y ver el vídeo sobre cómo utilizar el producto.

Warm tips

- To quickly jump to a specific chapter page, click on the relevant text on the contents page.

- You can also use the thumbnail or document outline in the top left corner to quickly find a specific page.

CATALOGUE

The INKBIRD INT-12E-BW is a wireless dual-mode multi-sensor smart food thermometer. It comes with two independent black and white probes, each with 4 high-precision food temperature sensors and 1 ambient temperature sensor to ensure accurate measurement. It supports both WiFi 5G and Bluetooth 5.4 modes for remote control and smart management via a smartphone app, making the cooking process easier and more efficient. Whether for family parties or everyday cooking, this food thermometer makes your cooking more accurate and convenient, letting you enjoy the fun and convenience of science and technology.

02 *Technical Specifications*

Brand	INKBIRD		
Model	INT-12E-BW		
Operating Mode	Bluetooth	Version	BLE5.4

Operating Mode	Bluetooth	Connection	1000ft/305m(the farthest distance in an obstacle-free area)
	WiFi	Band	WiFi 5G compatible with 2.4G
		Connection	The device should not be more than 328ft/100m away from the router, and the distance between the device and your smartphone is unlimited.
	NOTE: Both probes should not be more than 32.8ft/10m from the base. If there is an obstacle in between, they should move closer together (the base acts as a signal repeater).		
Probe Protection Rating	IP67（dishwasher safe)		
Sensor Quantity	5 in total; 4 food temperature sensors and 1 ambient temperature sensor.		

Probe Measurement Accuracy	±0.3℃/0.5℉
Temperature Measurement Range	**Food temperature:** -10-100℃/14-212℉ (For safe use, the probes will alert you when the temperature reaches 96℃/205℉.) **Ambient temperature:** 0-300℃/32-572℉
Probe's Battery Life	25 hours
Probe's Charging Time	25 minutes
Probe's Battery Voltage	3.8V
Base's Battery Capacity	2500mAh lithium battery
Base's Battery Voltage	3.7V

|	
Base's Battery Life	**Bluetooth mode:** 90 hours
	WIFI mode: 50 hours
Screen Type	High definition LCD screen with backlight
Screen Size	52*40 mm
Screen Resolution	1℃/℉
Data Storage	The base stores the last 60 minutes of cooking data and automatically syncs with your smartphone when connected.
Weight	246g
Size	161*82*30mm
Package Contents	Probe*2 (Black & White) USB-C Charging Cable*1 User Manual*1 Quick Start Guide*1

• **Product Appearance**

1 HD Backlit LCD   2 Indicator Light

3 Power Button   4 Function Button

5 Type-C Charging Port

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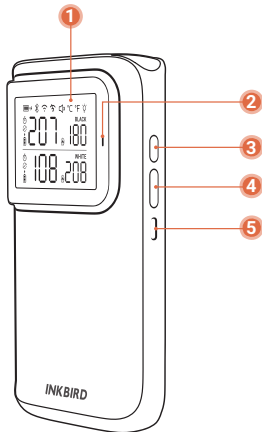
6 Anti-slip Pads

7 Charging Contact Point

8 Probe Charging Position

9 Foldable Stand

10 Charging Electrode Plate

11 Built-in Magnet
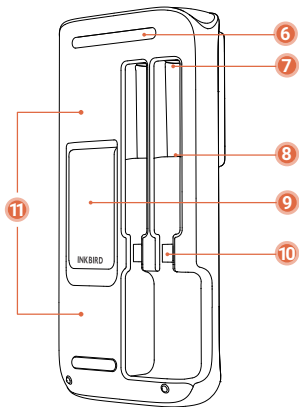
12 Food-grade Stainless Steel

13 Safe Cooking Line

14 Zirconia Ceramic Handle

15 Charging Contact Point

16 Food Temperature Sensors

17 Ambient Temperature Sensor
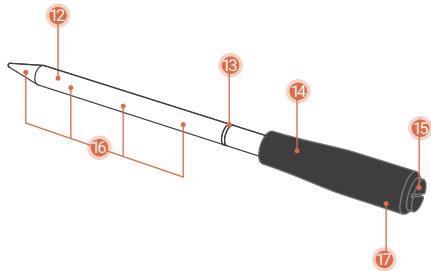
- **Screen Display Description**
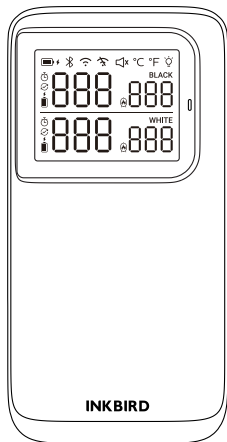
Device Status Display	
▣▸	Current battery level.
▣▸⚡	The device is charging.
▭ flashing	The device battery is low.
✳ flashing	The device's Bluetooth pairing is in progress.
✳ remains on	The device's Bluetooth has been connected.
✳ disappears	The device is disconnected from Bluetooth.
⌃+✳ flashing	The device's WiFi is pairing with the network.
📶 remain on	The WiFi connection fails.

$\widehat{\text{?}}$+* disappears	The device is disconnected.	$\triangleleft$	The device's buzzer is turned on.
$\triangleleft$x	The device's buzzer is turned off.	℃/℉	Device temperature unit.
$\dot{\varphi}$ flashing	Screen backlight on.	$\dot{\varphi}$ disappears	Screen backlight off.

Probe Status Display

$\bar{\odot}$	Lights up when the timer is set, goes out when the timer is not set.	$\bar{\odot}$ flashing	The timer is reached.
$\oslash$ remain on	Probe connection/pairing is successful.	$\oslash$ flashing	The probe is in the connecting/pairing process.
$\oslash$ goes out	Probe connection/pairing is unsuccessful.	$\boxed{\hat{\equiv}}$	Probe's current battery life.
$\frac{\sharp}{\hat{\equiv}}$	The probe is charging.	$\frac{\sharp}{\square}$ flashing	The probe's battery is exhausted.

White/Black	Probe display area of corresponding color		
Probe Digital Bit Display			
– H –	The current temperature is outside the temperature range of the probe.	– L –	The current temperature is below the temperature range of the probe.
_ _ _	The probe is in the compartment / is not connected.	**Digits flashing**	The preset temperature is currently reached.

● **Indicator Light Definition**

Charging the base	Green light flashes at the breathing rate and remains lit if fully charged.
Battery Level Indicator	· When the battery level falls below 30%, the yellow light flashes slowly 3 times. · When the battery level falls below 10%, the red light stays on. · When the battery is about to be exhausted, the device will flash a red light and shut down.
High Temperature Alarm	If the temperature of the base exceeds 55℃, the unit will sound an alarm, the screen will display -H- and the red indicator light will flash.

Power Button	Press and hold for 3 seconds to power on or off the device.
	Press and hold for 30 seconds to reset the device.
	Press once to turn on or off the acklight.
High Temperature Alarm	Press and hold for 3 seconds to turn on or off the sound (adjust the sound volume via the app).
	During cooking, press once to check the preset temperature and it will return to display the real-time temperature in 2 seconds.
Sleep & Awake	By default, if there is no activity for 15 minutes, the unit automatically enters sleep mode to conserve power. Press any button to wake it up, otherwise it will shut down automatically (set the sleep function or sleep time via the app).
Factory Reset	After powering on, simultaneously press and hold the power button and the function button for 10 seconds to restore the factory default settings.

• Battery Details

1. The base of the INT-12E-BW is equipped with a 2500mAh lithium battery and it can work continuously for 90 hours when connected via Bluetooth and 50 hours when connected via WiFi.

2. Please use the supplied Type-C charging cable to charge the base when its battery is low. It can be fully charged in about 3 hours.

3. Each probe can be fully charged in 25 minutes and used continuously for 25 hours. Note that prolonged exposure to high temperatures can shorten the battery life of the probes.

4. If the battery in the device is low, the measured temperature results may be inaccurate, the buzzer may be deactivated, the screen display may be degraded, or the device may be disconnected from the smartphone. Please charge the base and probes immediately.

• Precautions For Use

1. Do not attempt to disassemble or replace the internal battery yourself.

2. Do not use the probe in environments outside of the specified temperature range. If the temperature in the cooking environment exceeds 300℃ (572℉) or falls below -10℃ (14℉), it may reduce the probe battery life or damage the battery.

3. During use, ensure that the base is not placed on a hot stove, working oven, or grill surface. Do not put it inside an oven or grill, as this could cause damage to the product or even personal injury.

4. Please note that the probe is waterproof, but the base is not. Do not use or store this product in harsh weather or high-humidity environments. Do not clean the base with running water or place it in a dishwasher or water sink, as this may cause battery damage due to water seepage.

5. Do not use a charging cable that is not 5V 2A to charge this device. This may result in damage to the product or charging failure.

6. If you turn on the device and leave it unused for a long time, it will automatically switch off to save power. However, if you will not use the device for an extended period, please charge the battery to 50% capacity to prevent it from entering a deep discharge state. Do not fully charge the device before storing it, as this may shorten the battery lifespan.

● **6.1 APP**

Search the INKBIRD App from Google Play or App Store to get it for free, or you can scan the QR code to download it directly.

NOTE:

1. Your iOS devices must be running iOS 12.0 or later to download the app smoothly.

2. Your android devices must be running android 7.1 or later to download the app smoothly.

3. APP Location Permission Requirement: We need to obtain your location information to discover and add nearby devices. INKBIRD promises to keep your location information strictly confidential. And your location information will only be used for the location function of the App and will not be collected, used, or disclosed to any third party. Your privacy is very important to us. We will abide by relevant laws and regulations and take reasonable security measures to protect your information security.

6.2 Registration

Step1: Registering an account is necessary before using the INKBIRD app for the first time.
Step2: Open the app, select your Country/Region, and a verification code will be sent to you.
Step3: Enter the verification code to confirm your identity, and the registration is complete.

6.3 How to Connect

Open the INKBIRD app and click "+" on the top right corner to add a device. Then, follow the app instructions to complete the connection. Please remember to put the device as close as possible to the smartphone during the connection process.

07 *Cleaning and Maintenance*

1. Please note that the probe is waterproof but the base is not. After use, clean the probe under running water or in a dishwasher. Avoid using corrosive detergents as they can damage the probe.
2. After cleaning the probe, wait for it to dry before placing it back on the charging position on the base to avoid device damage caused by rusty electrode plates or water seepage.
3. Please note that the base is not waterproof. Do not rinse or submerge it with water. If necessary, use a slightly damp cloth to wipe the base and prevent water from seeping and causing damage to the product.
4. For storage, please place the probe inside the charging base and store the entire unit in a shady and cool place away from children. Improper storage can result in property damage or personal injury.

1. The probes are previously paired with the base at the factory. After starting up, take out a probe, the corresponding area will display the detected temperature of the probe and the icon " ⊘ ". Set a menu for the probe on the app and then the probe can be used.

2. Do not use the probe in a microwave oven or pressure cooker. During use, make sure that the probe is inserted into the center of the food and make it deep enough to exceed the safe cooking line.

3. The base has a Bluetooth signal relay function. When in use, the base should be placed within 10 meters of the probe. If there is metal or other obstructions, it should be placed closer to maintain the connection.

4. Do not expose the probe directly to fire or burning charcoal. If the probe falls out of the food, stop heating immediately and remove the probe after it has cooled down.

5. When using, make sure that the base stays away from fire and heat sources. Do not expose it to direct sunlight, nor place it to the surface of an oven or grill. And, do not put the base inside the oven or grill.

6. During or at the end of cooking, please do not touch the overheated probe with bare hands. If necessary, wear heat-insulated gloves to avoid burns.

7. The product is designed exclusively for use as a food thermometer. It is not recommended for any other purposes.

Issues	Possible Solutions
Why Cannot Connect Bluetooth?	**1.**Make sure that your smartphone or tablet is running iOS12 / Android 7.1 or later. **2.**Please ensure that the Bluetooth function is enabled on your smartphone or tablet, that the positioning function is enabled and the application is allowed to obtain location information, and that the device has sufficient power. **3.**Make sure that the distance between the probe and the base is not more than 10 meters (32.8 feet). Place your smartphone or tablet as close to the thermometer as possible, avoiding any metal or obstructions.

Issues	Possible Solutions
Why Cannot Connect Bluetooth?	**4.**Make sure that the thermometer is disconnected from any other smartphones and that the Bluetooth function is disabled on those smartphones. **5.**Turn off any other Bluetooth devices or disable their Bluetooth functions within the connection range. **NOTE:** If your problem persists, please contact our customer service.
Why cannot connect to WiFi?	**1.**Make sure that your smartphone has Bluetooth and WiFi enabled and connected to the device via Bluetooth. Then, follow the app's instructions to establish a WiFi connection. **2.**Make sure that you have entered the correct WiFi account name and password and that the WiFi network is stable. The device will try to

Issues	Possible Solutions
Why cannot connect to WiFi?	connect to the WiFi 5G band as a priority, but if it cannot find the appropriate signal, it will display an unable-to-connect or failed-to-connect prompt; in this case, please restart the device and try to connect again. Please manually select the 2.4G network as the priority when reconnecting. **3.**During the connection process, please keep the device, router and smartphone as close to each other as possible. **4.**Do not place the device on metal surfaces or near metal objects. Leave it at least 1 meter above the ground. **5.**During the connection process, any VPN or agent proxy servers should be forbidden, otherwise the connection will fail. **6.**Try to reboot both the device and router. If the device has connected to WiFi before, you can go to the setting page of the app to reset WiFi.

Issues	Possible Solutions
Why cannot connect to WiFi?	**7.**Press and hold the knob button for 30 seconds to force reset the device. **8.**Please verify if the router is blocking or blacklisting the device. **9.**After turning on the device, simultaneously press and hold the power button and function for 10 seconds to restore factory settings. **NOTE:** If your problem persists, please contact our customer service.
Why Is The Probe Reading Incorrectly?	**1.**Use the app to calibrate the temperature to where you think it is right. **2.**Check if the current temperature exceeds or has once exceeded the probe measurement range, causing probe damage. **3.**Do not immerse the probe in water for long periods. This product is only intended for use in food and is not recommended for any other purpose. **4.**Check if the probe is disconnected. If so, wait for the probe to

Issues	Possible Solutions
Why Is The Probe Reading Incorrectly?	reconnect automatically, or restart the device and wait for the probe to reconnect. **5.**If the probe has been damaged and requires replacement, please go to the settings page of the application to delete the probe and pair with a new one.
Why Cannot Charge The Probe?	**1.**The probes can only be charged at the base. To recharge, ensure that they are fully placed on the charging position and successfully connected to the contact points. **2.**Check that the probe or the charging plate at the base is not dirty or covered by oil stains.

Issues	Possible Solutions
Why Cannot Charge The Probe?	**3.**Check that the probe has not been used previously at a temperature that exceeds its sustainable range.Purchase a replacement if necessary. **4.**Check that the base does not enter the battery protection state due to low battery power, which causes failure to charge the probe.
Why Cannot Charge The Base?	**1.**This product does not support fast charging. Please use the supplied charging cable to charge this product. If you need a different charging cable, please choose a 5V 2A Type-C cable. **2.**Check the charging port for water ingress or a wet surface. If so, wipe dry with a tissue or air dry with cool wind. **3.**The base is not waterproof. Do not rinse under running water to avoid damage to the product.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the

following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

11 *IC Warning*

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation,Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1) L'appareil ne doit pas produire de brouillage;

2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

12 *Customer Service*

This item carries a 1-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of INKBIRD, be either repaired or replaced without charge. For any problems in use, please feel free to contact us at **support@ink-bird.com**. We will do our best to help you.

Shenzhen Inkbird Technology Co.,Ltd.

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V1.0

MADE IN CHINA
DESIGNED BY INKBIRD