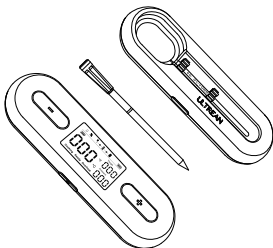


ULTREAN

Smart Wireless Meat Thermometer



Ultrean Support: Support@ultrean.com

Base Model No.: MT03
Probe Model No.: FM209

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IMPORTANT SAFEGUARDS

CAUTION: Please read this entire manual before using your Thermometer. Failure to follow these instructions could result in property damage or bodily injury.



WARNING Burn Hazard

- Always insert the probe past the safety notch (the minimum insertion point) to avoid product damage and personal injury.
- **DO NOT** exceed an internal temperature of 212°F / 100°C and an ambient temperature of 572°F/ 300°C. If temperatures exceed the allowed range, or the thermometer directly touches open flame or hot coal, you must wear eye protection before removing the thermometer.
- **DO NOT** use the Probe when cooking at ambient temperature above 662°F/350°C for more than 30 minutes, 752°F/400°C for 2 mins, otherwise the probe will be damaged.
- **DO NOT** place charging unit directly on the grill cover, or too close to any hot surface.
- **DO NOT** remove the probe while it is exposed to heat. The probe must be inserted in and removed from food away from all heat sources.

- **DO NOT** use the probe when searing.
If the probe falls into the fire or direct heat source, turn off the cooking appliance and close the lid immediately. Allow the probe to cool completely before removing.
- **DO NOT** allow the probe to come in contact with hot charcoal or coals.
- The probe will be hot during and after use. Wear heat-resistant gloves when handling the probe.

Foodborne Illness Hazard

Consuming raw or undercooked meats, poultry, or seafood may increase your risk of foodborne illness. Always cook your food to USDA safe temperatures.



CAUTION Product Damage Hazard

- Always insert the probe past the safety notch to avoid damage.
- **DO NOT** use in hot oil, microwave ovens, deep fryers, or pressure cookers.
- **DO NOT** place the charging unit on any hot surface.
- **DO NOT** drop the probe onto hard surfaces.
- **DO NOT** use cleaning products containing alcohol, ammonium, benzene, or abrasives, all of which could damage the device.
- **DO NOT** submerge the probe in water for long periods of time.

- **DO NOT** run the probe under cold water immediately after cooking. Let the probe cool down prior to washing.
- **DO NOT** expose the charging unit to moisture. Keep it covered in inclement weather, and do not put it in the sink.
- Store the probe in a dry, cool place when not in use.
- This product is only designed for use in food. Use it only for its intended purpose.

General Safety

- **DO NOT** hit the probe tip against hard surfaces to avoid causing damage.
- The thermometer can be used with air fryers, ovens, smokers, grills, BBQs, stoves, rotisserie cookers, clay cookers, and slow cookers.
- **DO NOT** bend the probe. The handle is able to withstand normal twisting and pulling when inserting into meat.
- Keep out of reach of children.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- **DO NOT** poke the tip of the probe to your fingers or body parts to avoid risk of injury.
- The probe is IPX8 waterproof, and it can be washed by hand or in a dishwasher. But the

Device Base is not waterproof and should not be submerged in water or placed in the dishwasher.

- If the thermometer is used in a manner not specified in the user manual, the protection provided by the thermometer may be impaired.
- This appliance contains batteries that are non-replaceable.

SAVE THESE INSTRUCTIONS

USING FOR THE FIRST TIME

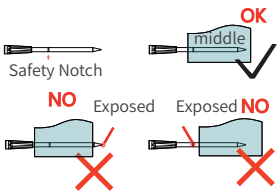
1. Before using your meat thermometer, ensure the product is fully charged and you have reviewed the Important Safeguards.
2. Scan the QR code to access the instructional video on product usage.



Safety notch

Insert the probe completely into the meat, ensuring that it passes the safety notch but does not exceed the ceramic handle and that the internal sensors are in the center of the meat.

Caution: Ensure the ambient temperature has reduced to safe levels before removing the probe.

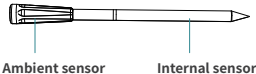
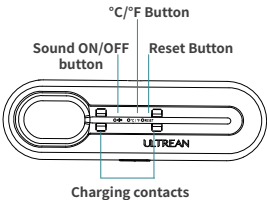
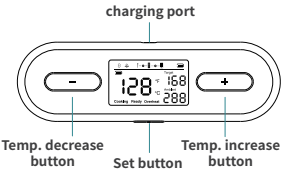


Cleaning

Ensure the charging contacts are clean before returning the probe to its base.

GETTING TO KNOW YOUR MEAT THERMOMETER

1. Product Diagram



2. Display



- 1 Bluetooth status
- 2 Alarm ON/OFF
- 3 Probe and base signal
- 4 Repeater and mobile phone signal
- 5 Base battery level
- 6 Probe battery level
- 7 Real - time meat temperature
- 8 °F display
- 9 °C display
- 10 Target meat temperature
- 11 Real - time oven temperature
- 12 Cooking status
- 13 Ready status
- 14 Oven overheat status

3. Specification

Model NO.	MT03
Temperature Range	Internal Temperature: 14°F to 212°F (-10°C to 100°C) Ambient Temperature: 32°F to 572°F (0°C to 300°C)
Battery	Probe: 5mAh, rechargeable Li-ion battery Control Base: 1000mAh, rechargeable Li-ion battery
Transmission Range	Probe to Base: 328ft (100 m) with grill lid open in open ground, 14~40ft (4~12m) with grill lid closed. Control Base to Smart Device: 525 ft (160 m) in open ground
Water Resistance	IPX8
Size	Probe: 4.86*0.46*0.2in (123.4*11.6*5mm) Control Base: 6.05*1.83*0.89in (153.6*46.5*22.5 mm)

*The stated transmission range is based on tests at an ambient temperature of 77°F or 25°C without any obstructions or electromagnetic interference. Your range can vary depending on the number of obstructions and electromagnetic interference in your environment

OPERATION INSTRUCTIONS

App Setup

1. To download the app, scan the QR code or search "**Ultrean**" in the Apple App Store® or Google Play Store.



2. Open the app. If you already have an account, tap Log In. To create a new account, tap Sign Up.



3. **Pair the base to your smart device:** Turn on the control base by taking the probe from the base. And follow the instructions in the app for adding a device.
4. **You can control the product and monitor your cooking progress with the app or you can cook with the meat thermometer Control Base (as below).**

Cooking with the meat thermometer Control Base

1. Turn on the control base by taking the probe from the base.

2. Set the cooking temperature

A: Insert your probe into the meat deeply enough so only the handle of the probe is visible. (refer to **Safety notch**)

Note: You can not set the cooking temperature while the probe is in the base.

B: Press the **SET** button to enter setting mode, and the target temperature value (default is 60°C/140°F) will flash.

C: **Increase the temperature:**

Press **+** to increase the value.

Decrease the temperature:

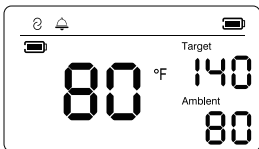
Press **—** to decrease the value.

Long press **+** or **—** for 2 seconds to rapidly increase or decrease temperature.

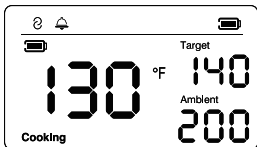
D: Press the **Set** button to confirm the target temperature or wait 15 seconds for automatic confirmation

Temperature Memory: The device will remember the last set temperature value.

3. Start Cooking → Cooking Completed



The initial cooking temperature is 80°F



It rises to 130°F during the cooking process



When it reaches 140°F, the cooking is complete (the Ready icon lights up and alarms)

4. Take out the probe from the meat.

caution: Always wear gloves to remove the probe from the meat when you finish cooking.

5. Overheat reminder

The Probe has been exposed to an overheated environment: any Internal sensor is higher than 212°F/100°C or ambient sensor is higher than 572°F/300°C. The Overheat

indicator slowly blinks as a reminder and an alarm is triggered.

Remove the probe with glove from the heat source and allow it to cool down before using it again.

6. Battery Charging

If the blank battery icon is slowly blinking, it means the battery of the base or probe has a low battery.

Base charging: Use the included Type-C USB cable to charge the Base.

Probe charging: Please insert the probe into the base for charging

More Function

Alarm

When it reaches the target temperature or exceeds the temperature limit, the device will alarm to remind you. To exit the alarm, press any button or wait 180 seconds for automatic shutoff.

Sound on/Off

Use the probe to press the Sound On/Off button to turn the sound on or off.

Sound On: 

Sound Off: 

°C / °F Switch

Use the probe to press °C / °F button to switch the temperature with the probe

Reset Function

If the product encounters faults beyond the troubleshooting scope, use the probe to press the reset button to power on again. If the issue persists, please contact customer service for help.

Magnet

Built-in magnets allow you to attach the base onto your grill, oven, smoker fridge or any other metal surface.

Caution: make sure the surface temperature of the appliance is not too hot to damage the base.

CARE & MAINTENANCE

1. Be sure to clean the probe well and dry them before placing them in the base.
2. Though the probe is dishwasher safe, it's best to wash it by hand with soapy water to avoid scratching. Also steer clear of using very abrasive sponges and cleansers to prevent scratches.
3. If the base gets dirty, wipe it down with a damp cloth. The base is not dishwasher safe and is not waterproof. Do not immerse it in water.

TROUBLESHOOTING

ERROR MESSAGE	REASON	SOLUTION
	Probe Battery is Low	Plug the Probe into the Base to charge it.
	Probe Battery is Low	Use the included Type-C USB cable to charge the Base.
	Probe Disconnected. 1. The probe is too far from the base. Or the probe is in a closed environment, such as an oven or smoker which will block bluetooth signals, which will reduce the transmission distance. 2. The probe has no power. 3. The probe is broken	1. Move the base closer to the probe as possible 2. Charge the probe for five minutes, then remove it and retry. 3. If none of the above measures work, contact Ultrean support.
	Base and smart device is disconnected	1. Move the base closer to smart device.

	1. The base is too far from the smart device. or walls and other obstacles can block Bluetooth signals, which will reduce the transmission distance 2. the bluetooth of smart device is not turned on. 3. The probe is broken	2. turn on the bluetooth of smart device 3. If none of the above measures work, contact Ultrean support.
"Over-heat"	The food temperature has exceeded the set temperature	Remove the food and probe as soon as possible to avoid overcooking.
	Probe has been exposed to an overheated environment over 572°F (300°C).	Remove the Probe from the heat source and allow it to cool down before using it again.
The probe is not charging	The probe is not inserted into the base properly	Fully insert the probe into the base
	The probe's charging detection is blocked by a foreign object.	Clean the charging contacts on the probe and the charging contacts on the base.

For Base
FCC ID: 2BCBU-MT03
IC: 34396-MT03
HVIN: MT03

For Probe
FCC ID: 2BCBU-FM209
IC: 34396-FM209
HVIN: FM209

Federal Communication Commission

Interference Statement - Part 15

This device contains licence-exempt transmitters)/receivers) 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.

ISED Radio Frequency Exposure Statement:

This equipment complies with ISED exposure limits set forth for an uncontrolled environment. This equipment can be used in portable exposure conditions.

ISED Déclaration d'exposition aux radiofréquences:

Cet équipement est conforme aux limites d'exposition d'ISDE établies pour un environnement non contrôlé. Cet équipement peut être utilisé dans des conditions d'exposition portables.

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.

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.

FCC RF Exposure Warning Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment can be used in portable exposure conditions.

Shenzhen Faray InfoTech Co.,Ltd.
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Nanshan District, Shenzhen China

WARRANTY INFORMATION

We grant 1 year warranty on the product commencing on the date of purchase. Within the guarantee period, we will eliminate any defects in the appliance resulting from faults in materials or workmanship. Please contact us at: support@ultrean.com to launch a warranty claim.

This guarantee does not cover: damage due to improper use, normal wear or use as well as defects that have a negligible effect on the value or operation of the appliance. The guarantee becomes void if repairs are undertaken by unauthorized persons and if original product parts are not used.

CUSTOMER SERVICE

1. If you have any product questions or concerns, please don't hesitate to contact us directly at support@ultrean.com or visit our website at: www.ultrean.com.
2. We have a hassle-free warranty and customer service team for satisfactory solutions to any issue you might have.



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