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## ThermoPro TP-20B Black

# ThermoPro TP20B Wireless Meat Thermometer Instruction Manual

Model: TP-20B Black | Brand: ThermoPro

## INTRODUCTION

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The ThermoPro TP20B is a professional-grade wireless meat thermometer designed to help you cook your food to perfection every time. Featuring dual probes and an extended 500FT wireless range, it allows you to monitor two different temperatures simultaneously, whether it's two cuts of meat or one cut and the ambient temperature of your grill, oven, or smoker. Its user-friendly interface and pre-programmed USDA-approved temperature settings ensure hassle-free operation and precise results.



Image: The ThermoPro TP20B wireless meat thermometer system, showing the main receiver unit, the smaller transmitter unit, and two stainless steel probes with wires.

# Fit for Any Cooking Appliances



Image: A collage demonstrating the versatility of the ThermoPro TP20B, showing its use in smoking, deep-frying, homebrewing, oven-roasting, and grilling applications.



# CERTIFIED BY NSF, CE AND RoHS

More safety for your cooking and health



Image: Certifications for ThermoPro products, including NSF, CE, and RoHS, indicating food safety, quality, and environmental compliance.

## PACKAGE CONTENTS

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- 1 x ThermoPro TP20B Receiver Unit
- 1 x ThermoPro TP20B Transmitter Unit
- 2 x Food-Grade Stainless Steel Probes
- 1 x Grill Clip (for ambient temperature monitoring)
- 4 x AAA Batteries (pre-installed or included separately)
- 1 x Instruction Manual (this document)

## SETUP

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### 1. Battery Installation

Locate the battery compartments on the back of both the receiver and transmitter units. Insert the provided AAA

batteries, ensuring correct polarity (+/-). Close the battery covers securely.

## 2. Connecting Probes

Plug the stainless steel probes into the corresponding jacks on the side of the transmitter unit. The TP20B supports two probes, allowing for simultaneous temperature monitoring.



Image: Close-up of the ThermoPro TP20B transmitter unit, showing the probe input jacks on the side.

## 3. Powering On

Press the power button on both the receiver and transmitter units to turn them on. The units are pre-paired from the factory, so no manual synchronization is required. They should automatically connect and display temperature readings.

## OPERATING INSTRUCTIONS

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### 1. Selecting Meat Type and Doneness

The TP20B comes with preset USDA-approved temperatures for various meat types and doneness levels. Use the **MEAT** button to cycle through different meat options (e.g., Beef, Poultry, Pork, Lamb, Fish, Ham, BBQ). Once a meat type is selected, use the **TASTE** button to choose your desired doneness level (e.g., Rare, Medium Rare, Medium, Well Done).



# Preset Meat Temp & Doneness Level

Select an USDA reference temp or preset your own taste



## MEAT OPTIONS



**GBEEF**  
(ground beef)



**BEEF**



**CHCKE**



**GPOUL**  
(ground poultry)



**VEAL**



**POULT**  
(poultry)



**HAM**



**PORK**



**PROG**  
(program)



**FISH**



**LAMB**



**BBQ**

## TASTE OPTIONS



◀ **RARE**

◀ **MED RARE**

◀ **MEDIUM**

◀ **MED WELL**

◀ **WELL DONE**

Image: The ThermoPro TP20B receiver displaying preset meat types (e.g., GBEEF, BEEF, CHCKE, PORK, LAMB, FISH, HAM, BBQ) and doneness levels (RARE, MED RARE, MEDIUM, MED WELL, WELL DONE).

## 2. Custom Temperature Settings

If you prefer to set your own target temperature, press the **MODE** button until "PROG" appears. Use the **UP** and **DOWN** arrow buttons to adjust the target temperature for each probe. Press **MODE** again to confirm.

## 3. Timer Function

The TP20B includes a kitchen timer function. Press the **MODE** button until the timer icon appears. Use the **UP** and **DOWN** arrows to set the desired time for either count-up or count-down. The receiver will beep and flash when the timer expires.

# Kitchen Timer (99H 59M) & Alarm Function, **No Overcooking!**



**Countdown ▼**



**▲ Count up**

Image: The ThermoPro TP20B receiver displaying the kitchen timer function, showing both countdown and count-up modes.



Image: A hand interacting with the timer buttons on the ThermoPro TP20B receiver, illustrating the Hr/Min and Min/Sec settings.

## 4. Fahrenheit/Celsius Switching

To switch between Fahrenheit (°F) and Celsius (°C) temperature readings, press and hold the °F/°C button on the



receiver unit.

## 5. Using Dual Probes

The dual probes allow for versatile monitoring. You can insert one probe into a cut of meat and the other into a different cut, or use one probe for meat and the other with the included grill clip to monitor the ambient temperature of your grill, oven, or smoker. The receiver will display both temperatures simultaneously.



Image: The ThermoPro TP20B receiver showing two probes inserted into different cuts of meat on a grill, with both temperatures displayed.



# Monitor Your Meat From 500 Feet Away

ThermoPro-Cook Like A Pro Every Time!



Alarm



Backlight



Timer



Simple Setup



**Beep!  
Flash!**



**MEAT  
BUTTON**



GBEEF



VEAL



HAM



LAMB



POULT



BBQ



GPOUL



BEEF



FISH



PORK



CHCKE



PROG

**TASTE  
BUTTON**



RARE



MED. RARE



MEDIUM



MED. WELL



WELL. DONE

Image: A split image showing the ThermoPro TP20B in two scenarios: monitoring oven temperature with one probe and meat temperature with another, and monitoring two different meats on a grill.

## 6. Wireless Range

The TP20B offers an extended wireless range of up to 500 feet, allowing you to monitor your cooking from a distance. Factors such as walls, appliances, and other electronic devices may affect the actual range.



**500FT Remote Range!**  
Freely monitor your cook from anywhere in your home or yard

Image: The ThermoPro TP20B transmitter on a grill with a probe in meat, and the receiver unit held by a person at a distance, illustrating the 500FT remote range.

## CARE AND MAINTENANCE

- **Cleaning Probes:** Always wipe the stainless steel probes with a damp cloth after each use. Do not immerse the probe connectors or the main units in water.
- **Cleaning Units:** Wipe the receiver and transmitter units with a damp cloth. Do not use abrasive cleaners or submerge them in water. The receiver is splashproof, but not waterproof.
- **Probe Wire Care:** The probe wires can withstand temperatures up to 716°F (380°C). Avoid exposing the wires directly to open flames or temperatures exceeding this limit, as it may damage the insulation.
- **Storage:** Store the thermometer and probes in a dry place when not in use.

## TROUBLESHOOTING

- **No Signal/Connection Issues:**
  - Ensure both the receiver and transmitter units are powered on.

- Check battery levels in both units and replace if low.
  - Move the receiver closer to the transmitter to reduce interference.
  - Avoid placing the transmitter near large metal objects or strong electromagnetic sources.
- **Inaccurate Temperature Readings:**
    - Ensure probes are fully inserted into the thickest part of the meat, avoiding bone or gristle.
    - Verify that the probe wires are not damaged or kinked.
    - Test probes in boiling water (should read approx. 212°F / 100°C) or ice water (should read approx. 32°F / 0°C) for calibration check.
  - **Alarm Not Sounding:**
    - Check if the alarm volume is set appropriately (if adjustable).
    - Ensure the target temperature is correctly set and the current temperature has reached or exceeded it.

### SPECIFICATIONS

Feature	Detail
Brand	ThermoPro
Model Name	TP-20B Black
Wireless Range	Up to 500FT
Probe Count	2 (Dual Probes)
Temperature Accuracy	±1.8°F (±1°C)
Probe Wire Temperature Resistance	Up to 716°F (380°C)
Display Type	Digital, Backlit LCD
Power Source	4 x AAA Batteries (included)
Certifications	NSF, CE, FCC



# High Accuracy with Wide Temperature Range



## Temp Range

14°F to 572°F  
(-10°C to 300°C)

## Stepdown probe



Image: A close-up of the stepped-down probe, highlighting its design for high accuracy and wide temperature range.



Image: A graphic illustrating the  $\pm 1.8^{\circ}\text{F}$  ( $\pm 1^{\circ}\text{C}$ ) accuracy of the ThermoPro TP20B probes.

ThermoPro products are designed for durability and performance. For warranty information, product support, or any inquiries, please refer to the official ThermoPro website or contact their customer service directly. The ThermoPro TP20B is NSF Certified, ensuring it meets strict public health standards for food safety.