

ThermoPro TP511

ThermoPro TP511 Digital Cooking Thermometer

User Manual

INTRODUCTION

This user manual provides comprehensive instructions for the safe and effective operation, maintenance, and troubleshooting of your ThermoPro TP511 Digital Cooking Thermometer. Please read this manual thoroughly before using the device and retain it for future reference.

PRODUCT OVERVIEW

Components

- ThermoPro TP511 Thermometer Unit
- 20cm Stainless Steel Probe
- Adjustable Pot Clip
- 1 x AAA Battery (pre-installed or included)

Key Features

- **Preset Temperature & Alarm Function:** The display backlight flashes red when the preset target temperature is reached, preventing overcooking.
- **Premium 20cm Probe with Pot Clip:** Provides accurate temperature readings with a precision of $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$). The clip securely attaches to cookware, reducing the risk of injury from hot oil or steam.
- **90° Adjustable & Backlit Display:** Features an extra-large, anti-vapor LCD screen with a touch-activated backlight and an adjustable head for easy reading from various angles, even in low light.
- **IPX5 Waterproof:** This digital food thermometer can be easily washed under running water without damage.
- **Calibration Function:** Ensures long-lasting accuracy of temperature measurements.



Image: ThermoPro TP511 thermometer unit, stainless steel probe, and included AAA battery.

20.6cm Stainless Steel Probe with Clip



Constant
Measurement



Highly Accurate
 $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$)



Wide Temp Range
 $-50^{\circ}\text{C} \sim 300^{\circ}\text{C}$

20.6cm



Image: The 20cm stainless steel probe with its pot clip, demonstrating its use for constant temperature measurement in a cooking pot.

Meet with Various Cooking Demands

Image: The thermometer in a kitchen setting, illustrating its versatility for measuring temperatures of fried foods, desserts, and liquids.

SETUP

Battery Installation

1. Locate the battery compartment on the back of the thermometer unit.
2. Open the battery cover.
3. Insert one AAA battery, ensuring correct polarity (+/-).
4. Close the battery cover securely.

Attaching the Pot Clip

1. Slide the pot clip onto the stainless steel probe.
2. Adjust the clip's position along the probe to ensure the probe tip is submerged in the liquid or food without touching the bottom of the pot.
3. Securely attach the clip to the rim of your cooking pot or container.

Dimensions

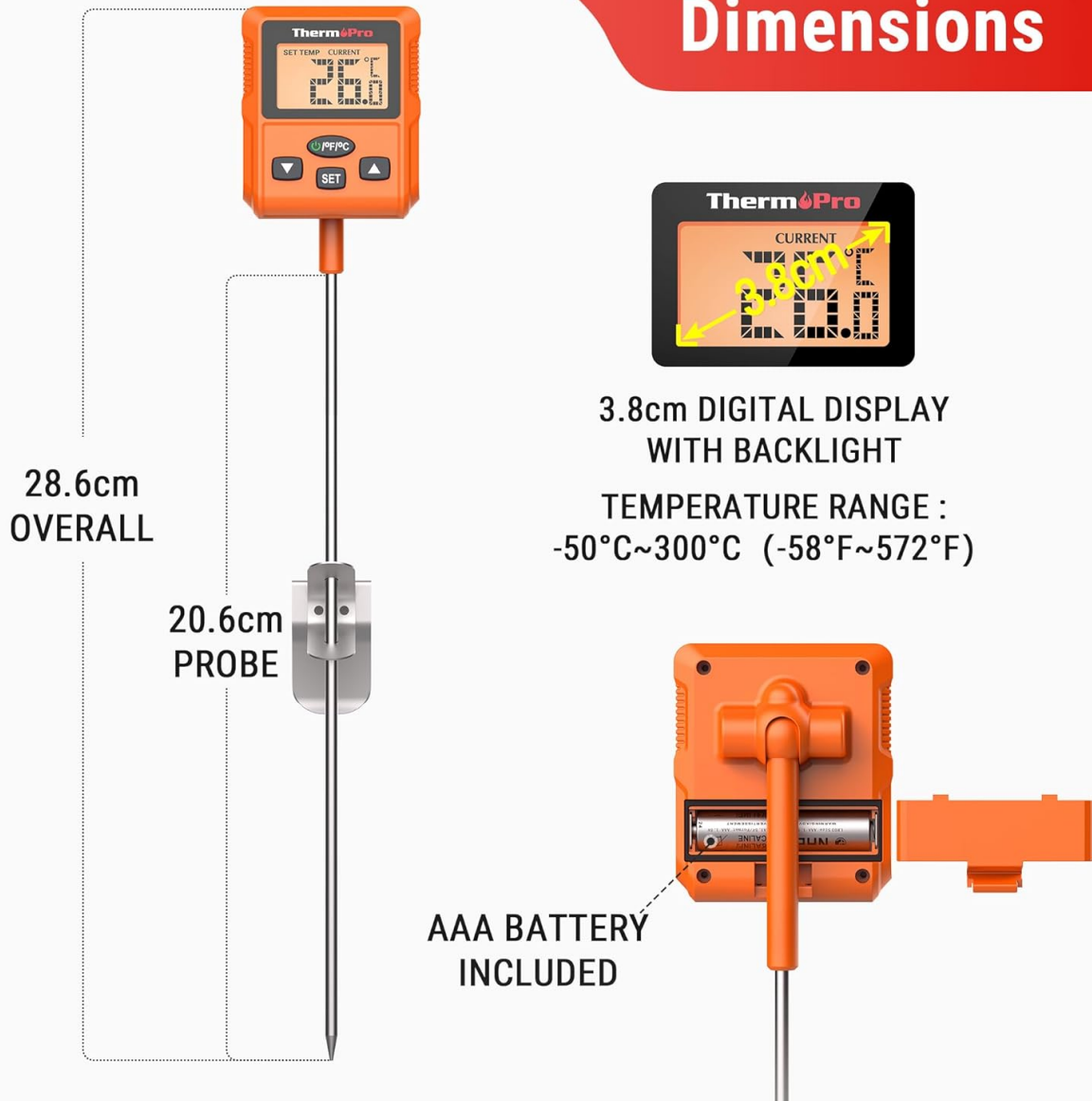


Image: A diagram illustrating the overall dimensions of the thermometer and probe, along with the location of the AAA battery compartment.

OPERATING INSTRUCTIONS

Power On/Off

- Press the **ON/OFF** button to turn the thermometer on or off.

Temperature Measurement

1. Insert the stainless steel probe into the center of the food or liquid you wish to measure. Ensure the probe tip is fully immersed and not touching the bottom or sides of the container.
2. The current temperature will be displayed on the LCD screen.

Setting Target Temperature and Alarm

1. Press the **SET** button to enter the target temperature setting mode.
2. Use the **UP** or **DOWN** arrow buttons to adjust the desired target temperature.
3. Press **SET** again to confirm the value and exit setting mode.

- When the measured temperature reaches the preset target, the display backlight will flash red, indicating the alarm.



Image: The thermometer display showing the process of setting a target temperature and the visual alarm when the temperature is reached.

Switching Temperature Units (°C/°F)

- Press the °C/°F button (usually located on the back or side) to toggle between Celsius and Fahrenheit temperature units.

Display Backlight

- The display features a touch-activated backlight. Simply touch the screen or any button to illuminate the display for easier reading in dim conditions.

90° Adjustable Anti-vapour Backlit Display

Free your hands and provide easier reading



Image: The thermometer display shown at various adjustable angles (30°, 60°, 90°) and with its backlight activated for improved visibility.

CALIBRATION

The TP511 features a calibration function to ensure long-term accuracy. Calibration is recommended periodically or if you suspect inaccurate readings.

How to Calibrate

1. Prepare an ice bath by filling a glass with crushed ice and topping it with cold water. Stir well and let it sit for a few minutes.
2. Insert the thermometer probe into the center of the ice bath, ensuring the tip is fully submerged but not touching the bottom or sides of the glass.
3. Wait for the temperature reading to stabilize (it should be close to 0°C or 32°F).
4. While the probe is in the ice bath, press and hold the **CAL** button (if available, or refer to specific button combination in product packaging) until the display enters calibration mode.
5. Adjust the reading to 0°C (32°F) using the arrow buttons if necessary.
6. Confirm the calibration (usually by pressing **SET** or waiting for it to auto-confirm).

Multi-calibration Modes

Calibration and reset function can extend its lifetime



CALIBRATION

Adjust to ensure an accurate read temp



RESET

Restore to setting if needed



Image: The thermometer illustrating its calibration function, typically performed in an ice bath to ensure accuracy.

MAINTENANCE AND CARE

Cleaning

- The ThermoPro TP511 is IPX5 waterproof. After each use, clean the probe and the thermometer unit under running water with mild soap.
- Wipe the unit dry with a clean cloth before storing.
- Do not immerse the entire unit in water for extended periods or place it in a dishwasher.



Image: The thermometer being rinsed under a kitchen faucet, highlighting its IPX5 waterproof design for easy cleaning.

Storage

- Store the thermometer in a clean, dry place at room temperature.
- Keep the probe tip protected when not in use to prevent damage.

TROUBLESHOOTING

Problem	Possible Solution
Inaccurate Temperature Readings	Perform a calibration as described in the 'Calibration' section. Ensure the probe is fully inserted into the food/liquid and not touching the container.
Display Not Working / Blank Screen	Check if the AAA battery is installed correctly with proper polarity. Replace the battery if it is low or depleted.

Problem	Possible Solution
Alarm Not Sounding	Ensure a target temperature has been set correctly. Verify the volume settings if applicable (though this model typically has a visual alarm).
Probe Not Responding	Ensure the probe is securely connected to the thermometer unit. If the issue persists, the probe may need replacement.

SPECIFICATIONS

Specification	Value
Model Number	TP511
Temperature Range	-50°C to 300°C (-58°F to 572°F)
Probe Length	20 cm (7.9 inches)
Accuracy	±0.5°C (±0.9°F)
Waterproof Rating	IPX5
Power Source	1 x AAA Battery
Display Type	Digital LCD with Backlight
Material	Plastic (unit), Stainless Steel (probe)
Dimensions (Overall)	Approx. 28.6 cm (11.26 inches) length
Weight	Approx. 170 grams (0.37 lbs)

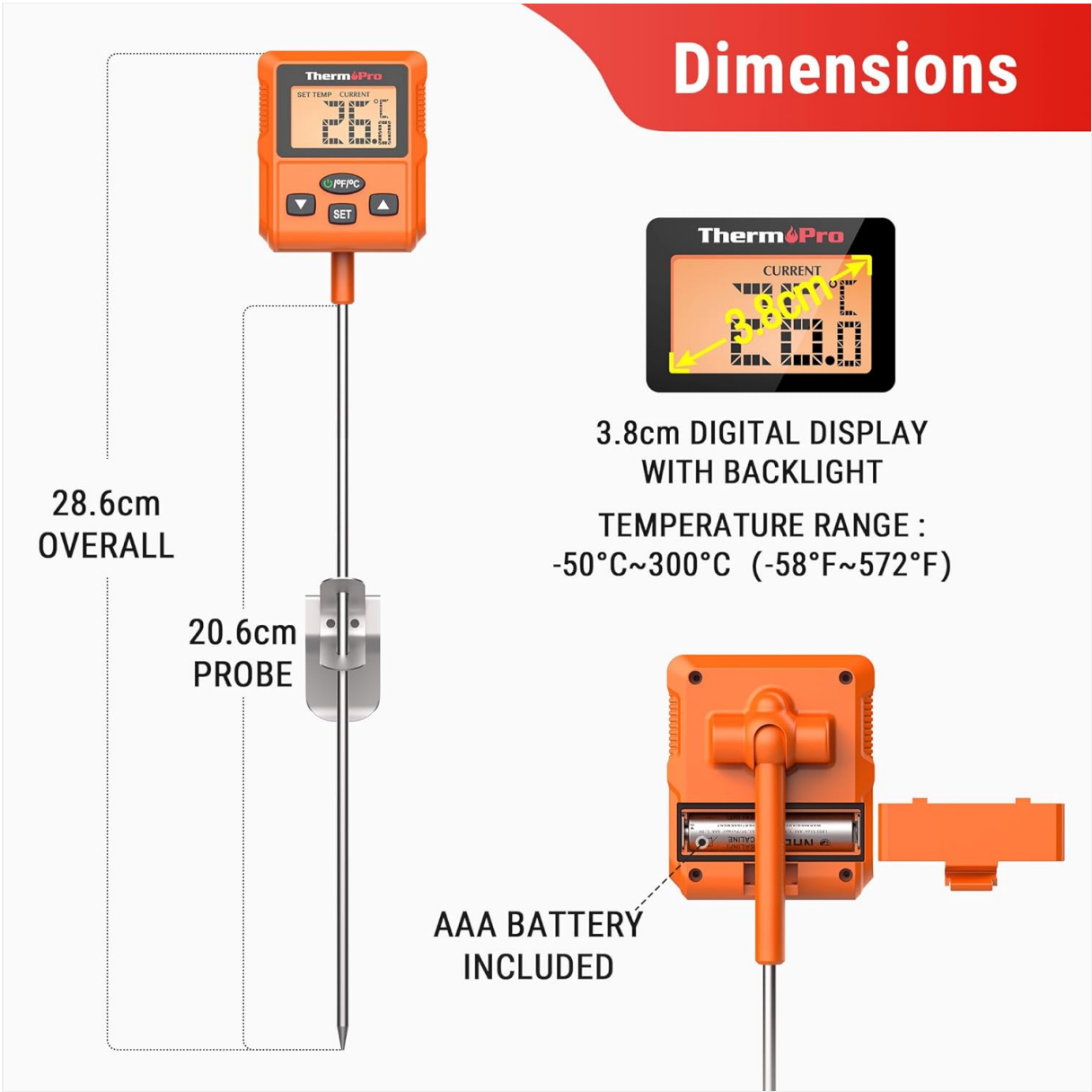
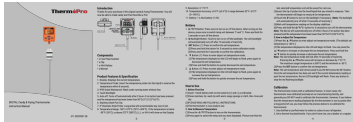


Image: Detailed view of the thermometer's dimensions, including overall length and probe length, along with the temperature range.

WARRANTY AND SUPPORT

ThermoPro products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official ThermoPro website. If you encounter any issues or have questions regarding your ThermoPro TP511 thermometer, please contact ThermoPro customer support. Contact information can typically be found on the product packaging or the official ThermoPro website.





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