

Wintact WT550

Wintact Infrared Thermometers User Manual

Models: WT550 & WT530

1. INTRODUCTION

Thank you for choosing Wintact Infrared Thermometers. This manual provides detailed instructions for the safe and effective operation of your WT550 and WT530 non-contact infrared thermometers. These devices are designed for measuring surface temperatures from a distance, making them ideal for various applications including kitchen cooking, BBQ, automotive maintenance, HVAC systems, and more.



Figure 1: Wintact WT550 and WT530 Infrared Thermometers

This image displays both the WT550 and WT530 models of the Wintact infrared thermometer, highlighting their ergonomic design and digital displays. The WT550 is on the right, showing its advanced display, while the WT530 is on the left.

2. SAFETY INFORMATION

Please read all safety warnings carefully before using the device. Failure to follow these instructions may result in injury or damage to the device.

- **Laser Safety:** Do not point the laser directly at eyes or indirectly off reflective surfaces. The laser is for aiming purposes only.
- **Not for Human Temperature:** These thermometers are designed for industrial and surface temperature measurement, not for medical use or measuring human body temperature.

NOT FOR HUMANS



Figure 2: Important Safety Warning - Not for Human Use

This image clearly illustrates that the infrared thermometer is not intended for measuring human body temperature, emphasizing the safety warning with a prominent "NOT FOR HUMANS" text and a prohibition symbol over the device pointed at a person.

- **Handling:** Do not immerse the unit in water. Do not expose to extreme temperatures or humidity.
- **Battery Safety:** Ensure correct battery polarity. Remove batteries if the device will not be used for an extended period.

3. PRODUCT OVERVIEW

The Wintact infrared thermometers are equipped with various features for accurate and convenient temperature measurement.

3.1 Key Features Comparison (WT550 vs. WT530)



Figure 3: WT550 and WT530 Feature Comparison

This graphic provides a side-by-side comparison of the WT550 and WT530 models, detailing their respective temperature ranges, available measurement modes (Max/Min/AVG/DIF for WT550, Max/Min for WT530), and adjustable emissivity ranges.

- **WT550:** Features Max/Min/Dif/Avg temperature modes, high and low temperature alarms, adjustable emissivity from 0.1 to 1.0.

- **WT530:** Features Max/Min modes, adjustable emissivity from 0.8 to 0.95.

3.2 General Features

MULTIFUNCTIONAL



Positioning
Laser



Backlight
Display



Low Battery
Indicator



0.95 Prese
0.8 Optional



Max/Min



Backlight
Switch



Auto Shut-off



°C/°F
Selection



Data Hold
Function



Figure 4: Multifunctional Features

This image highlights the various multifunctional capabilities of the thermometer, including a positioning laser, backlit display, low battery indicator, adjustable emissivity, Max/Min modes, backlight switch, auto shut-off, Celsius/Fahrenheit selection, and data hold function.

- Laser for easy aiming
- Backlit display

- Data hold function
- Auto-off to conserve battery life
- Low battery indication
- °F/°C selection

4. SETUP

4.1 Battery Installation

Your Wintact thermometer requires AAA batteries for operation. To install or replace batteries:

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

Long Battery Life



Battery Indicator



Auto Power Off



*The infrared thermometer is idle for 20 seconds and auto power off to save power.

Figure 5: Battery Life Features

This image highlights the long battery life features of the thermometers, including a battery indicator on the display and the auto power-off function, which activates after 20 seconds of inactivity to conserve power.

5. OPERATING INSTRUCTIONS

5.1 Taking a Measurement

1. Point the thermometer at the target surface.
2. Pull and hold the trigger. The laser pointer will activate (if enabled) to help aim.

3. The temperature reading will appear on the display within half a second.
4. Release the trigger to hold the reading on the display.

5.2 Changing Temperature Units (°F/°C)

Press the °C/°F button (usually located near the display) to switch between Celsius and Fahrenheit units.

5.3 Adjustable Emissivity

Emissivity is the ability of a material to emit energy. Different surfaces have different emissivities. For accurate readings, adjust the emissivity setting to match the material being measured.

- **WT550:** Emissivity adjustable from 0.1 to 1.0. Use the Up/Down buttons (often labeled SET or EMS) to change the value.
- **WT530:** Emissivity adjustable from 0.8 to 0.95.

5.4 Measurement Modes (WT550)

The WT550 model offers advanced measurement modes:

FOUR MODES OF MEASUREMENT

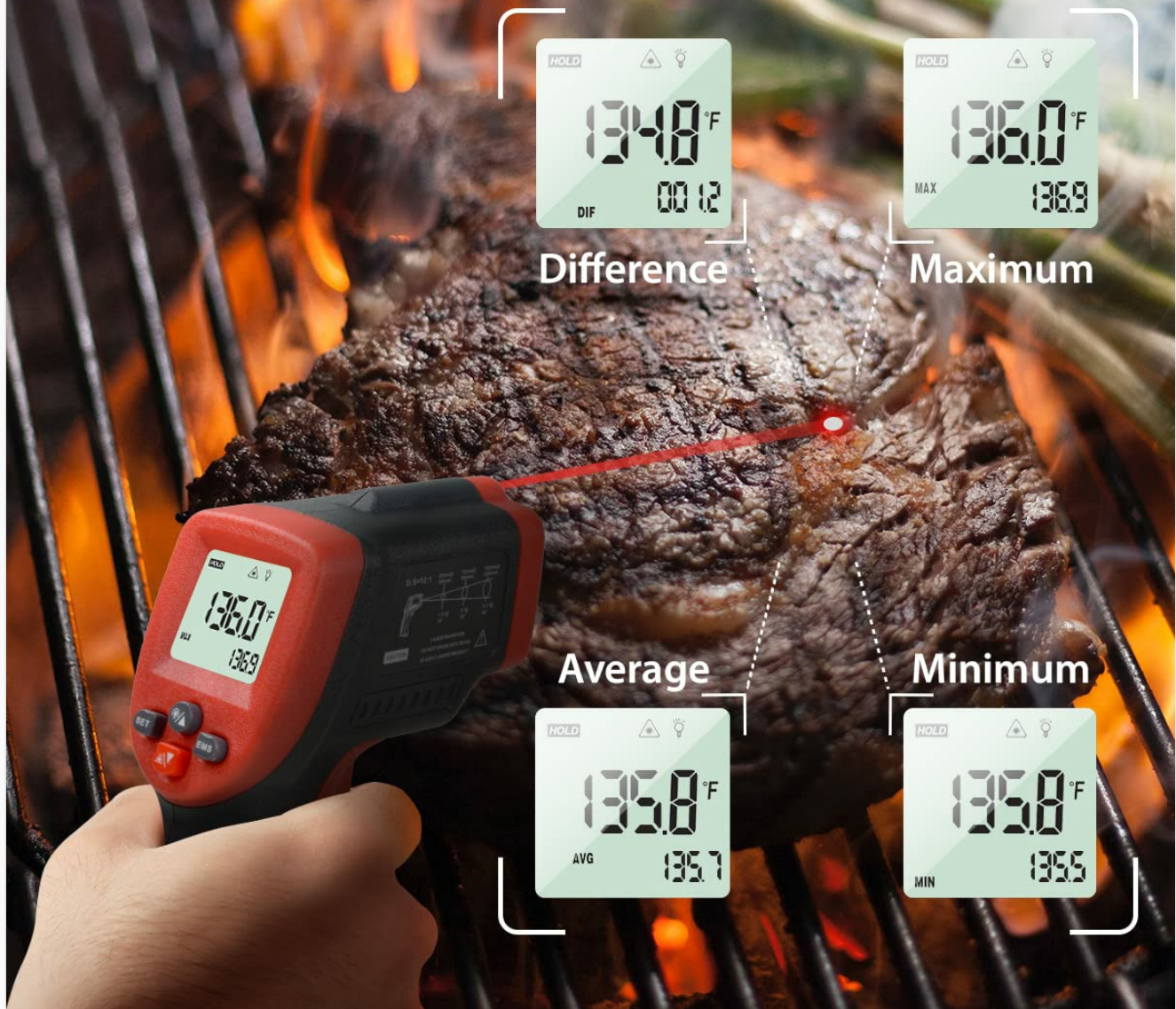


Figure 6: Four Modes of Measurement

This image demonstrates the four measurement modes available on the WT550 model: Difference (DIF), Maximum (MAX), Average (AVG), and Minimum (MIN) temperature readings, shown in the context of measuring a steak on a grill.

- **MAX:** Displays the maximum temperature recorded during a scan.
- **MIN:** Displays the minimum temperature recorded during a scan.
- **DIF:** Displays the difference between the maximum and minimum temperatures.
- **AVG:** Displays the average temperature recorded during a scan.

5.5 Temperature Alarms (WT550)

The WT550 allows setting high and low temperature alarms.



Figure 7: High and Low Temperature Alarms

This graphic illustrates the high temperature alarm (HAL) and low temperature alarm (LAL) features of the WT550, showing how the device alerts the user when measured temperatures exceed or fall below predefined thresholds, with examples of a hot pizza oven and a cold freezer.

Refer to the device's on-screen menu or specific buttons for setting these alarm thresholds.

6. MAINTENANCE

6.1 Cleaning

- Clean the lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Wipe the body of the thermometer with a damp cloth.

6.2 Storage

Store the thermometer in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display/Device won't turn on	Low or dead batteries; Incorrect battery installation	Replace batteries; Check battery polarity
Inaccurate readings	Incorrect emissivity setting; Distance to spot ratio exceeded; Lens dirty	Adjust emissivity; Ensure proper distance (12:1 D:S ratio); Clean lens
Laser not working	Laser function disabled; Low battery	Check settings to enable laser; Replace batteries

8. SPECIFICATIONS

Feature	WT550	WT530
Temperature Range	-58°F to 1022°F (-50°C to 550°C)	-58°F to 986°F (-50°C to 530°C)
Accuracy	±1.5°C (2.7°F) or ±1.5%	±1.5°C (2.7°F) or ±1.5%
Distance to Spot Ratio (D:S)	12:1	12:1
Emissivity	Adjustable 0.1 to 1.0	Adjustable 0.8 to 0.95
Response Time	0.5 seconds	0.5 seconds
Power Source	AAA Batteries	AAA Batteries
Auto-Off	Yes (20 seconds idle)	Yes (20 seconds idle)
Display Type	Digital, Backlit	Digital, Backlit

8.1 Multiple Applications



Figure 8: Multiple Applications

This collage demonstrates the wide range of uses for the Wintact infrared thermometer, from culinary applications like cooking and baking to industrial and home uses such as HVAC inspection, automotive diagnostics, checking refrigerator temperatures, and monitoring pet environments.

9. WARRANTY AND SUPPORT

Your Wintact Infrared Thermometer comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable performance under normal use.

For technical support, warranty claims, or any questions regarding your product, please contact Wintact customer

service. Our friendly 24/7 customer service team is ready to assist you.

Contact Information:

Website: [Visit the Wintact Store on Amazon](#)

Email: Refer to product packaging or official website for direct email support.



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Related Documents - WT550

	<p>Wintact WT530 Manuale Utente Termometro a Infrarossi</p> <p>Guida completa per l'utilizzo del termometro a infrarossi Wintact WT530, che copre le specifiche tecniche, le istruzioni operative e le precauzioni di sicurezza per misurazioni accurate.</p>
	<p>Wintact WT3652 Non-Contact Infrared Thermometer User Manual</p> <p>Comprehensive guide to operating the Wintact WT3652 non-contact infrared thermometer, including features, LCD display, operation instructions, technical parameters, and precautions for accurate temperature measurement.</p>
	<p>Wintact WT320 Infrared Thermometer Instruction Manual</p> <p>Comprehensive guide to operating and maintaining the Wintact WT320 Infrared Thermometer, covering features, safety precautions, specifications, and usage instructions.</p>
	<p>Wintact WT323C Infrared Thermometer User Manual</p> <p>User manual for the Wintact WT323C Infrared Thermometer, detailing its features, operation, specifications, and maintenance.</p>
	<p>WINTACT WT9055 Digital Sound Level Meter: User Manual & Technical Specifications</p> <p>Detailed instruction manual for the WINTACT WT9055 digital sound level meter, covering its features, operation, technical parameters, and considerations. Includes setup, usage, and maintenance information.</p>



[Wintact WT85/WT85B Sound Level Meter Instruction Manual](#)

Instruction manual for the Wintact WT85 and WT85B Sound Level Meters, detailing features, operation, calibration, technical parameters, and the dB-Tester App for the Bluetooth version.