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› Digital Non-contact Laser IR Infrared Thermometer Meter Temperature Gun T600 User Manual

FGBHFH FC2203NEW

Digital Non-contact Laser IR Infrared Thermometer Meter Temperature Gun T600

Brand: FGBHFH | Model: FC2203NEW

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your FGBHFH Digital Non-contact Laser IR Infrared Thermometer Meter Temperature Gun T600. This device is designed for non-contact temperature measurement in various industrial and household applications. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: The FGBHFH T600 Infrared Thermometer, showing its ergonomic design and digital display.

2. SAFETY INFORMATION

WARNING: LASER RADIATION

- Do not stare directly into the laser beam.
- Avoid direct eye exposure to the laser.
- Do not point the laser at people or animals.
- Use caution when operating the laser to prevent accidental exposure.

General Safety Precautions:

- This device is not suitable for temperature measurement of humans or animals. It is intended for industrial and household surface temperature measurements only.
- Do not use the thermometer near explosive gas, vapor, or dust.
- Do not immerse the unit in water.
- Keep the device away from strong electromagnetic fields.

- Remove batteries if the device is not used for an extended period.

NON-CONTACT TEMPERATURE MEASUREMENT

Suitable for various high and low temperature operations
such as household/food/oil temperature/metal processing/heating, ventilation, and refrigeration.



Note: Not suitable for temperature measurement of humans/animals, etc

Image 2.1: The thermometer in use, measuring components within an electrical panel. A note emphasizes its suitability for industrial applications and not for human or animal temperature measurement.

3. PRODUCT FEATURES

- **Non-contact Measurement:** Safely measure surface temperatures from a distance.
- **Laser Targeting:** Built-in laser pointer for precise aiming at the target area.
- **Fast Response:** Equipped with a high-precision sensor for rapid temperature readings, typically within 0.5 seconds.
- **Wide Temperature Range:** Capable of measuring temperatures from -50°C to 600°C (-58°F to 1112°F).
- **Unit Conversion:** Easily switch between Celsius (°C) and Fahrenheit (°F).
- **Backlit LCD Display:** Clear digital display for easy reading, even in low-light conditions.

INFRARED THERMOMETER

High precision sensor with 0.5s fast response



Image 3.1: The T600 thermometer displaying a temperature reading, emphasizing its high precision sensor and fast response time.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover, usually at the base of the handle.
2. Open the cover by sliding or unlatching it.
3. Insert the required batteries (typically 9V or AAA, refer to the compartment label) ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

4.2 Initial Power On

After installing batteries, the device should be ready for use. Press the trigger to power on the unit and initiate a measurement.

5. OPERATING INSTRUCTIONS

5.1 Taking a Measurement

1. Point the thermometer at the target surface. Ensure the distance-to-spot ratio is appropriate for accurate readings (e.g., for a 1-inch spot, be 12 inches away if the ratio is 12:1).
2. Press and hold the measurement trigger. The laser pointer will activate (if enabled) to indicate the center of the measurement area.
3. The temperature reading will appear on the LCD display almost instantly.
4. Release the trigger to hold the reading on the display. The device will typically power off automatically after a period of inactivity to conserve battery.

5.2 Switching Temperature Units (°C/°F)

Locate the °C/°F button on the device (often near the display or other function buttons). Press this button to toggle between Celsius and Fahrenheit temperature units.

5.3 Laser Pointer Control

The laser pointer can usually be toggled on or off using a dedicated button, often labeled with a laser icon. This helps conserve battery when precise targeting is not required.

6. MAINTENANCE

6.1 Cleaning the Device

- Use a soft, damp cloth to clean the casing. Do not use abrasive cleaners or solvents.
- For the lens, use a soft cotton swab or lens cleaning cloth with a small amount of isopropyl alcohol. Avoid scratching the lens.

6.2 Storage

Store the thermometer in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for an extended period, remove the batteries.

6.3 Battery Replacement

When the low battery indicator appears on the display, replace the batteries as described in the "Battery Installation" section (4.1). Dispose of old batteries responsibly according to local regulations.

7. TROUBLESHOOTING

- **Device does not power on:** Check battery installation and ensure batteries are not depleted. Replace if necessary.
- **Inaccurate readings:** Ensure the lens is clean. Verify the distance-to-spot ratio is appropriate for the target. Ensure the target is not highly reflective without proper emissivity adjustment (if applicable to model).
- **Laser not working:** Check if the laser function is enabled. Ensure batteries are not low.

- **Display shows "ERR" or other error codes:** Refer to the specific error code in the full product manual (if provided separately) or contact customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	FGBHFH
Model Number	FC2203NEW
ASIN	B0DX2C33DD
UPC	690313498481
Temperature Range	-50°C to 600°C (-58°F to 1112°F)
Response Time	0.5 seconds
Measurement Type	Non-contact Infrared
Laser Pointer	Yes
Unit Count	1.0 Count
Date First Available	February 13, 2025



Image 8.1: A side view of the FGBHFH T600, clearly indicating its model number and the wide temperature measurement range of -50°C to 600°C (-58°F to 1112°F).

9. WARRANTY AND SUPPORT

Warranty information for the FGBHFH Digital Non-contact Laser IR Infrared Thermometer Meter Temperature Gun T600 is typically provided with the product packaging or through the retailer at the time of purchase. Please refer to these documents for details regarding warranty coverage and terms. For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact the seller or manufacturer directly using the contact information provided with your purchase or on the product packaging.