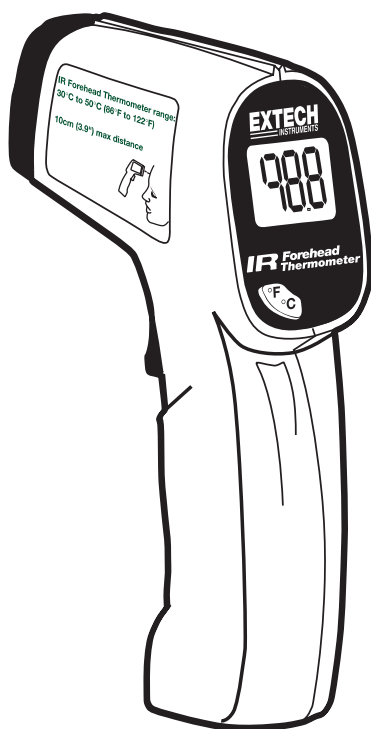**User's Manual**

EXTECH
INSTRUMENTS

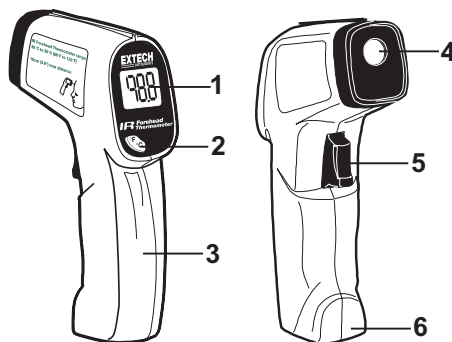# Forehead Temperature InfraRed Thermometer

MODEL 42555

Introduction

This thermometer is intended for scanning groups of individuals or monitoring an individual for elevated temperatures. It is not a substitute for a clinical thermometer. Always use a clinical thermometer when high accuracy body temperature measurements are required.

Meter Description

1. LCD Display

2. Function Buttons

3. Handle Grip

4. IR Temperature Sensor

5. Measurement Trigger

6. Battery Compartment

Considerations and Warnings

⚠ Read all instructions before using this product.

⚠ For the most accurate results, make reading with an ambient (room) temperature of 73 to 82°F (23 to 27°C)

⚠ Make sure the skin is dry and that no hair interferes with the measurement.

⚠ Do not immerse the meter in water.

⚠ Avoid touching and/or scratching the infrared sensor lens.

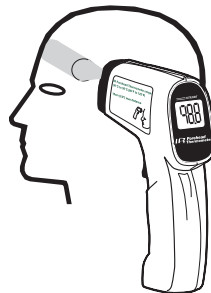⚠ Always use a clinical thermometer to verify any abnormal temperature measurements.

⚠ Clean the lens area by gently blowing with compressed air and use a damp swap to wipe the lens. Do not use any solvents to clean the lens.

Measurement Notes

1. If the meter has been stored in a cold or hot environment, allow it at least 20 minutes to acclimate to room temperature before making measurements.
2. To prevent transmission of disease, avoid direct contact with the skin.
3. After heavy exercise always wait at least 10 minutes before taking forehead temperature readings.

Operating Instructions

1. Hold the meter from 0.5 to 4 inches (2 to 10cm) from the forehead..

2. Point the meter at the center of the forehead and then pull and hold the trigger to turn the meter on and begin testing.

3. For the best results, slowly scan towards the ear. Often the area just above the temple provides the best measurement because of it's proximity to the temporal artery.

4. The meter will hold and display the highest temperature measured.

5. The reading will remain in the display for approximately 6 second after the trigger is released.

6. Press the ^{o}F/^{o}C button to change the measurement units.

7. "**Hi**" or "**Lo**" will appear in the display if the temperature reading is outside the range of the meter.

Battery Replacement

When the low battery symbol ⬒ appears on the display, replace the meter's 9V battery. The battery compartment is located on the bottom of the meter's handle. Open the compartment by sliding the battery compartment cover off in the direction of the arrow. Replace battery and re-install the battery compartment cover.

Specifications

Range / Resolution	86.0 to 122.0^{o}F (30.0 to 50.0^{o}C) / 0.1^{o}C/F
Accuracy	± 0.9^{o}F (0.5 ^{o}C).
	Note: Accuracy is specified for the following ambient (room) temperature range: 73 to 82°F (23 to 27°C)
Display	LCD display
Response time	500ms
Operating Humidity	Max. 80% RH
Power Supply	9V battery
Automatic Power Off	Meter shuts off automatically after 6 seconds
Weight	3.6 oz. / 100g
Dimensions	6.7 x 1.7 x 1.6" (170 x 44 x 40mm)

Warranty

EXTECH INSTRUMENTS CORPORATION warrants this instrument to be free of defects in parts and workmanship for one year from date of shipment (a six month limited warranty applies to sensors and cables). If it should become necessary to return the instrument for service during or beyond the warranty period, contact the Customer Service Department at (781) 890-7440 ext. 210 for authorization or visit our website www.extech.com for contact information. A Return Authorization (RA) number must be issued before any product is returned to Extech. The sender is responsible for shipping charges, freight, insurance and proper packaging to prevent damage in transit. This warranty does not apply to defects resulting from action of the user such as misuse, improper wiring, operation outside of specification, improper maintenance or repair, or unauthorized modification. Extech specifically disclaims any implied warranties or merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. Extech's total liability is limited to repair or replacement of the product. The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied.

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