

**Clinical IR
Thermometer**

800120

SPER
SCIENTIFIC

Environmental Measurement Instruments

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INTRODUCTION

Simply point the non-contact IR (infra-red) thermometer at the subject's forehead from a distance of 2" to 6", pull the trigger and obtain immediate, highly accurate readings of human body temperature. Automatically adjusts for the difference between the surface temperature of the forehead and internal body temperature of the subject, for highly accurate reading within +/- 0.3°C. Also features an audible max/min alarm, backlit display, 32 memories, and auto-power-off. Comes ready to use with one 9V battery.

SAFETY SPECIFICATIONS

Read the following safety information carefully before attempting to operate or service the Clinical IR Thermometer.

- Only Sper Scientific technicians should perform repairs.
- Protect from high heat, water, shock, dusty and extreme environments.
- Use of this product is not a substitute for a doctor's diagnosis.

Conforms to the following standards.

ROHS

CE

DISPLAY AND BUTTON LOCATIONS



- 1. Infrared Sensor
- 2. Measuring Pot
- 3. LCD Screen
- 4. "+" Button
- 5. "-" Button
- 6. "M" Button
- 7. Backlit Button
- 8. Buzzer Button
- 9. Measuring Button
- 10. Battery Cover
- 11. Handle

MEASURING PROCEDURE

1. Hold the Clinical IR Thermometer perpendicular to the subject's forehead from a distance of 2" to 6 " away.
2. Press and release the trigger to read the subject's temperature.
3. "Hi" indicates a body temperature above 108.5°C 42.5°C
3. "Lo" indicates a body temperature reading below 89.6 °F (32°C). Among the potential causes for this are:
 - Hair, sweat or clothing covering the forehead.
 - Too much ambient air flow.
 - The subject recently had a cold compress applied to the forehead.
 - Measurement was taken outside the 2 to 6" range.

Notes...



- Ensure that the forehead is free of hair, sweat or clothing.
- Keep the Thermometer steady while measuring. Your reading may fluctuate if the IR Gun is moved during measurement.
- For the most accurate results allow the IR Gun to adjust to the ambient temperature for 1/2 hour before use.

VIEW HISTORICAL DATA

The thermometer automatically retains the last 32 measurements. To view these:

1. Turn the thermometer on by pressing the trigger.
2. Press and release **M**. Next press **+** or **-** to cycle up or down through the data. The memory number will appear followed by the data.

BODY & OBJECT TEMPERAURE MODES

1. The Thermometer defaults to body temperature mode each time the unit turns off. "Body Temp" appears on the LCD.
2. To switch to object temperature mode pull the trigger to turn the unit on. Next hold the **M** button down while pressing the buzzer button . "Body temp" will disappear from the LCD.
3. To switch back to body temperature mode press the backlit button  while holding the M button down. "Body temp" will reappear on the LCD.

°C & °F MODES

1. Pull the trigger to turn the thermometer on.
2. Hold the **M** button down and press the **+** button repeatedly to toggle between °C & °F modes.
3. To convert readings between °C & °F during measurement or memory recall press and hold **M** and press **+** and the reading from.

CLEANING

Clean the lens with compressed air, use a soft brush, or carefully wipe the surface with a moist cotton swab. Do not use solvents on the lens. The housing may be cleaned with a soft cloth slightly dampened with mild soapy water or alcohol. Do not use so much liquid so that it enters the product case.

BATTERY REPLACEMENT

Open the battery cover, install a fresh 9V battery and close the cover. Use a disposable, not a rechargeable battery. Alkaline battery preferred.

Under normal circumstances the battery will last for approximately 4,000 tests

SPECIFICATIONS

Range	89.0 to 110.0°F 35.0 to 42.0°C
Accuracy	+/- 0.6°F +/- 0.3°C
Resolution	0 .1°C/F
Measuring distance	2" to 6" (5 to 15 cm)
Response Time	<1 second
Operating Temp .	32 to 122°F (10 to 40°C) <80% RH
Storage Temp.	-4 to 131°F (-20 to 55°C)
Power	DC9V
Dimensions	6 ¼" x 4" x 2" (100 x 46 x 160 mm)
Weight	5.5 oz (158 g) with battery

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WARRANTY

Sper Scientific warrants this product against defects in materials and workmanship for a period of **1 year** from the date of purchase, and agrees to repair or replace any defective unit without charge. If your model has since been discontinued, an equivalent Sper Scientific product will be substituted if available. This warranty does not cover damage resulting from accident, misuse, or abuse of the product. To obtain warranty service, ship the unit postage prepaid to:

SPER SCIENTIFIC LTD,
8281 E . Evans Rd ., Suite 103
Scottsdale, AZ 85260
www.sperscientific.com

The defective unit must be accompanied by a description of the problem and your return address. Please register your product online at www.sperwarranty.com within 10 days of purchase.