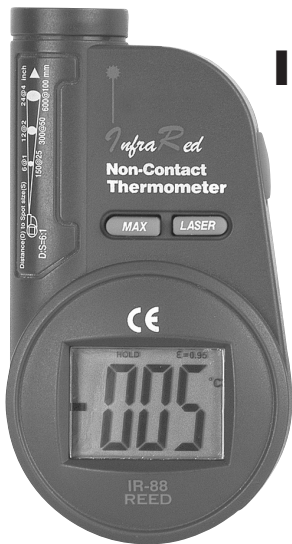


REED

Model IR-88

Pocket-sized
Infrared Thermometer



Instruction Manual

www.reedinstruments.com

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Safety



Do not directly view or direct the laser pointer towards an eye. Low power visible lasers do not normally present a hazard, but may present some potential for hazard if viewed directly for extended periods of time.

Features

- An easy-to-use infrared thermometer and humidity meter in one compact unit
- User selectable °F or °C
- Large, easy to read, backlit LCD with dual display
- Max and Hold function, Auto shut off
- Fixed 0.95 emissivity covers 90% of surface applications
- Includes battery and carrying case

For service on this or any other REED product or information on other REED products, contact REED Instruments at info@reedinstruments.com.

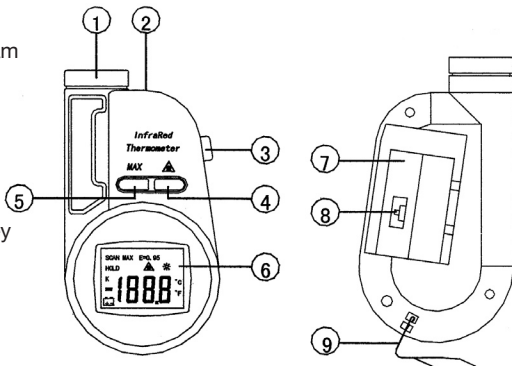
Specifications

Display	3 ½ -digit (2000 count) LCD display
Measurement Range:	Temperature: -4 to 518°F/-20 to 270°C
Power Off:	Automatic shutoff after approx. 8 seconds
Laser Power:	Laser power less than 1mW (red)
Operating Temperature:	32 to 122°F (0 to 50°C)
Operating Humidity:	Max. 80% RH
Power Supply:	2 x AAA battery
Weight:	2.7 oz. / 76g
Size:	3.7 x 2 x 1" (94 x 51 x 25 mm)
Ranges/Resolution:	-4 to 518°F/-20 to 270°C, 1°F/1°C
Accuracy:	-4° to 518°F/-20 to 270°C: ± (2.5% of reading + 4°F/2°C)
Accuracy Notes:	1. Accuracy is given at 18°C to 28°C (64°F to 82°F), less than 80% RH 2. Accuracy specified for emissivity of 0.95
Emissivity Settings:	0.95 fixed
Distance Factor:	Distance to Target Ratio 6:1

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Instrument Description

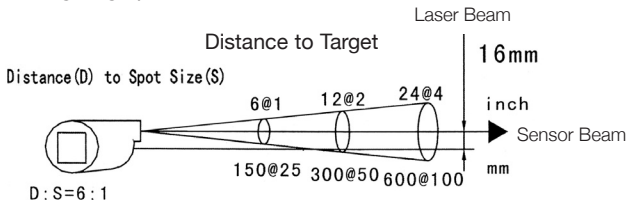
1. IR sensor
2. Laser pointer beam
3. Measuring key
4. Laser key
5. MAX select key
6. LCD display
7. Battery compartment
8. °C or °F select key (you will need to open the battery compartment)
9. Hand Strap



Infrared Measurements

Taking Measurements

Point the meter toward the object being measured, then press and hold the MEASURE button. The meter will turn ON and take a reading. Read the measured temperature on the LCD. The meter turns off automatically approximately 8 seconds after the MEASURE button is released. Pressing the MAX button will hold the highest reading. The object being measured should be larger than the spot size as illustrated in the "Distance to Target" graph below.



continued ...


Measurement considerations

If the surface of an object to be measured is covered with frost, dust or other materials, surface cleaning must be performed before accurate measurements can be made. High Reflective Surfaces: If the surface of an object to be measured is highly reflective, apply masking tape or apply flat black paint to the surface since black paint has a fixed emissivity value.

Displaying °F or °C

Open the battery compartment, move the slide switch located in the opening beneath the outermost battery.

Battery Replacement

1. When the left corner of the LCD display shows LO BAT “”, it indicates the battery output has weakened. Replacement of the batteries is now needed.
2. Open the Battery Cover (#7 in figure on page 4) at the back of meter and remove the battery.
3. Replace with AAA batteries and reinstall the cover.

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Notes

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