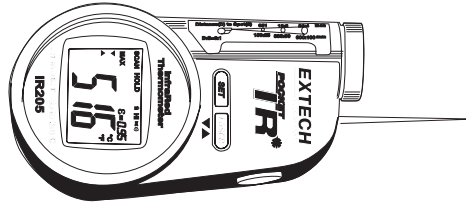


Pocket InfraRed Thermometer Model IR205



Introduction

Congratulations on your purchase of Extech's IR201 Pocket InfraRed Thermometer. This device allows the user to take non-contact temperature measurements simply by pointing the meter and pressing a button. Features include: Laser pointer, Max/Min, Adjustable emissivity, Lock ON and HI audible alarm. This meter is shipped fully tested and calibrated and, with proper use, will provide years of reliable service.

IR 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 readings (SCAN). Read the measured temperature on the LCD. When the MEASURE button is released, the last measurement is HELD in the display for approximately 8 seconds before the meter shuts down.

Laser Pointer

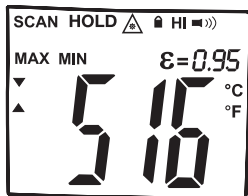
While pressing the MEASURE button, Press the LASER button to turn the laser pointer ON or OFF.

Set Feature

While in the MEAS mode;
 Press the SET button to gain access to the following features in sequence.
 Release the MEAS button when the feature needed is selected
 Press the Laser button to change the selection or value
 Press the MEAS button to confirm the selection.

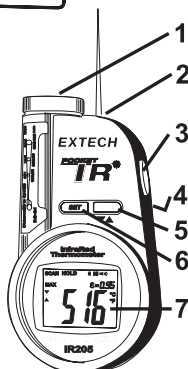
- #1: **Max/Min:** Displays only the maximum or minimum value during a measurement scan.
- #2: **°C/°F:** Select measurement units
- #3: **▲:** Increase emissivity value.
- #4: **▼:** Decrease emissivity value
- #5: **■:** Lock On/Off (Overrides auto-power off)
- #6: **Hi ▲:** Increase High Alarm value
- #7: **Hi ▼:** Decrease High Alarm value
- #8: **)))** Audible Alarm On/Off:

Display



Controls

1. IR Sensor
2. Laser Pointer
3. MEASURE Button
4. Battery Compartment (rear)
5. LASER button
6. SET button
7. Display



Specifications

Display	3 ½ -digit (2000 count) LCD display
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)	-31 to 518°F/ -35 to 270°C (1°F/1°C)
Accuracy	± (2.5% of reading + 3°F or 2°C) (-4° to 518°F / -20° to 270°C):
	± 10°F or 5°C (-31° to -4°F / -35° to -20°C)
Recommended measuring distance	2" to 36" / 5cm to 91cm
Emissivity settings	0.1 to 1.00 adjustable
Distance to Target Ratio	6:1

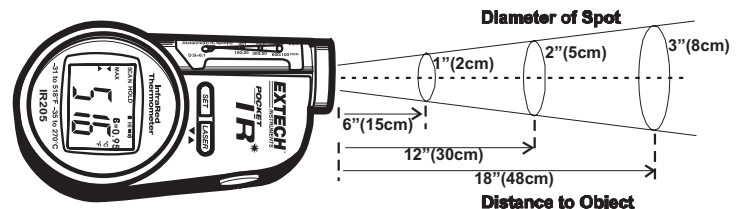
Measurement considerations:

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.

If the surface of an object to be measured is highly reflective with a very low emissivity value, apply masking tape or apply flat black paint to the surface to raise to improve the accuracy of the measurement.

The object being measured should be larger than the spot size as illustrated in the distance to spot diagram.

Distance to spot diagram



Battery Replacement

A flashing display indicates that the AAA batteries which power the meter have weakened. Open the battery compartment on the rear of the meter, replace the batteries and close the compartment.

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 on 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 for authorization. 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.