

# User's Manual



## Pocket InfraRed Thermometer Model IR201

### 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. This meter, with proper care, will provide years of safe reliable service.

### Specifications

#### General Specifications

Display	3 1/2 -digit (2000 count) LCD display
Power off	Automatic shutoff after approx. 8 seconds
Laser power	Laser power less than 1mW (red)
Operating Temperature	0 to 50°C (32 to 122°F)
Operating Humidity	Max. 80% RH
Power Supply	2 x AAA battery
Weight	76g / 2.7 oz.
Size	94 x 51 x 25 mm (3.7 x 2 x 1")

### 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 a reading. Read the measured temperature on the LCD. The meter turns off automatically approximately 8 seconds after the MEASURE button is released.

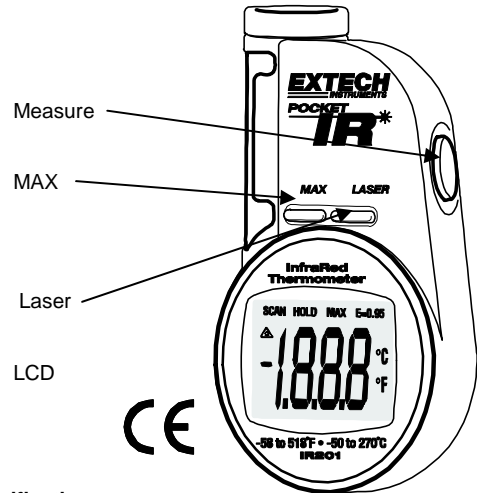
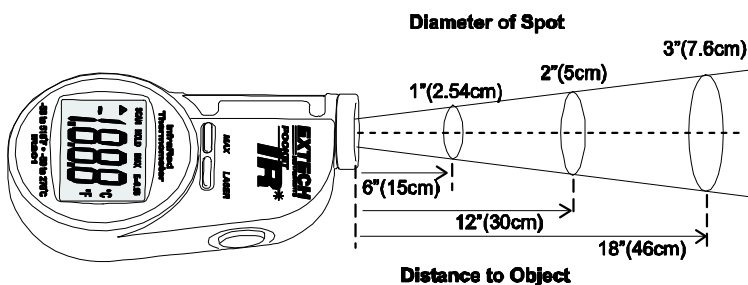
While pressing the MEASURE button:

Press the LASER button to turn on the laser pointer.

Press the MAX button to display and hold the highest reading. The display will update with each higher reading.

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

**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 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.



#### Range Specifications

Ranges(Resolution)	-50 to 270°C / -58 to 518°F (1°C/1°F)
Accuracy	-20 to 270°C / -4° to 518°F: ± (2.5% of reading + 2°C or 3°F) -50 to -20°C / -58° to -4°F: : ± 5°C or 10°F
Recommended measuring distance	5cm to 91cm / 2" to 36"
Emissivity settings	0.95 fixed
Distance to Target Ratio	6:1

### Displaying °F or °C

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

### 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.



You, as the end user, are legally bound (**Battery ordinance**) to return all used batteries and accumulators; **disposal in the household garbage is prohibited!**

You can hand over your used batteries / accumulators at collection points in your community or wherever batteries / accumulators are sold!

**Disposal:** Follow the valid legal stipulations in respect of the disposal of the device at the end of its lifecycle



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