

User's Manual

Mini Infrared Thermometer

Introduction

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
Measurement Range	Temperature: -50 to 280°C / -58 to 536°F
Power off	Automatic shutoff after approx. 7-8 seconds
Operating Temperature	32 to 122°F (0 to 50°C)
Operating Humidity	Max. 80% RH
Power Supply	2 x AAA battery
Weight	76g
Size	96.5x 57 x 30 mm

Range Specifications

Ranges/Resolution	-50 to 280°C/- 58 to 536°F	1°C/1°F
Accuracy	-50 to 280°C/ -58 to 536°F: ± (2.5% of reading + 2°C/4°F)	
Accuracy notes	1. Accuracy is given at 18 °C to 28 °C (64 °F to 82 °F), less than 80 % RH	
Emissivity settings	2. Accuracy specified for emissivity of 0.95	
Distance Factor	Distance to Target Ratio 6:1	

IR Measurements

Taking Measurements

Point the meter toward the object being measured, then press and hold the MEASURE button. The meter and backlight will turn ON and take a reading. Read the measured temperature on the LCD. The meter and backlight turns off automatically approximately 8 seconds after the MEASURE button is released. The object being measured should be larger than the spot size as illustrated at right.

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.

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.

Distance to Target



CAUTION: Do not directly view or direct the laser pointer at 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.

FRONT PANEL DESCRIPTION

1. Flashlight
2. IR sensor
3. °C or °F select key
4. Backlight or Flashlight select key
5. LCD display
6. Measuring key
7. Battery compartment
8. Hand Strap

