## **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 to280°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) |                         |  |
|                     | 1. Accuracy is given at 18 °C to 2                        | 28 °C (64 °F to 82 °F), |  |
| Accuracy notes      | 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                              |                         |  |

#### IR Measurements

#### **Taking Measurements**

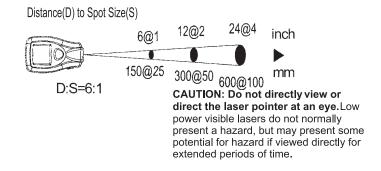
Point the meter toward the object being measured, then press and hold the MEASURE button. The meter and backlight will turn ON and take a reading. Read the measured temperature on the LCD. The meter and backlight turns off automatically approximately 8 seconds after the MEASURE button is released. The 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**



## **RONT PANEL DESCIPTION**

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

