

Infrared Thermometer

Stock Number W89721

OWNER'S MANUAL



PRODUCT SPECIFICATIONS

Temperature Range	-50 - 380°C (-58 - 716°F)
Accuracy	±1.5% or ±1.5°C
Resolution	.1°C (0.1°F)
Response Time	≤0.8s
Emissivity	0.95 Fixed
Distance to Spot Ratio	12:1
Spectral Response	8:14um
Storage Temperature	0~40°C (32~140°F)
Operating Temperature	-20~60°C (-4~140°F)
Power	9V

INTRODUCTION

Compact rugged and easy to use. Just aim and push the button, it reads current surface temperatures in less than a second. Safely measure surface temperatures of hot, hazardous or hard-to-reach objects without contact.

HOW IT WORKS

Infrared thermometer measures the surface temperature of an object. The unit's optical sensor emitted, reflected, and transmitted energy which is collected and focused onto a detector. The unit's electronics translate the information into a temperature reading which is displayed on the unit. The laser makes aiming and measurement even more precise.

WARNING:

Do not point laser directly or indirectly (through reflective surfaces) at eye.

FOR YOUR SAFETY,

please read these instructions carefully and retain them for future use.

IMPORTANT SAFETY INSTRUCTIONS READ AND UNDERSTAND ALL INSTRUCTIONS

Failure to follow all instructions detailed in this manual may result in serious personal injury. **SAVE THESE INSTRUCTIONS**

CAUTIONS

Infrared thermometer should be protected from the following:

-EMF (electro-magnetic fields) from arc welders, induction heaters.

-Thermal shock (caused by large or abrupt ambient temperature changes, it allows 30 minutes for unit to stabilize before use.)

-Do not leave the unit on or near objects of high temperature.

WARNING:

Do not point laser directly or indirectly (through reflective surfaces) at eye.

QUICK START INSTRUCTIONS

1. Pull battery door clip and install battery correctly. Press the trigger, LCD display shows reading & battery icon. Release the trigger and the reading will hold for 15 seconds.

2. Locating a hot spot: To find a hot spot, aim the thermometer outside the area of interest, then scan across with an up and down motion until you locate the hot spot. (Turn on the laser pointer for accurate measuring).

MAINTENANCE

1. Lens cleaning: Use clean compressed air to blow off loose particles. Use a clean soft brush to remove any debris away. If necessary clean with a clean damp cotton cloth.

2. Case cleaning: Clean the case with a damp sponge/cloth and mild soap.

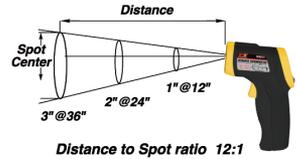
Note:

Do not use solvent to clean lens.

Do not submerge the unit in water.

OPERATING INSTRUCTIONS

1. When taking a measurement point thermometer toward the object to be measured and hold the trigger. The object under test should be larger than the spot size calculated by the field of view diagram.



2. Distance & spot size: As the distance from the object increases, the spot size of measuring area becomes larger.

3. Field of view: Make sure that the target is larger than the unit's spot size. The smaller the target the closer the measuring distance. When accuracy is critical, make sure the target is at least twice as large as the spot size.

4. Emissivity: Most organic materials, painted or oxidized surfaces have an emissivity of 0.95(pre-set in the unit). Inaccurate readings will result from measuring shiny or polished metal surfaces. To compensate cover the surface to be measured with masking tape or flat black paint. Measure the tape or painted surface when the tape or painted area reaches the same temperature as the material underneath.

PARTS IDENTIFICATION

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|----------------------|--------------------|
| 1 - LCD | 2 - Back Light Key |
| 3 - Laser Key | 4 - °C/°F Key |
| 5 - Battery Cover | 6 - Trigger |
| 7 - Laser | 8 - Infrared Lens |
| 9 - Low Battery Icon | |
| 10 - Data Hold Icon | |
| 11 - Laser Icon | |
| 12 - °C/°F Symbol | |
| 13 - Temp. Reading | |

