



## Product Datasheet

English

Stock No: 193-8691

# IR Thermometer with dual laser point



## **Introduction**

Thank you for purchase of the IR Thermometer. This is capable of non-contact (infrared) temperature measurements at the touch of a button. The built-in laser pointer increases target accuracy while the backlight LCD and handy push-buttons combine for convenient, ergonomic operation.

The Non-contact Infrared Thermometers can be used to measure the temperature of objects' surface that is improper to be measured by traditional (contact) thermometer (such as moving object, the surface with electricity current or the objects which are uneasy to be touched.)

Proper use and care of this meter will provide years of reliable service.

## **FEATURES**

- Rapid detection function
- Precise non-contact measurements
- Dual laser sighting
- Unique flat surface, modern housing design
- Automatic Data Hold
- °C/ °F switch
- Emissivity Digitally adjustable from 0.10 to 1.0
- MAX temperature displays
- Backlight LCD display
- Automatic selection range and Display Resolution 0.1°C(0.1°F)
- Trigger lock
- Set high and low alarms

## Specifications

Temperature range	-50 to 550 °C (-58°F ~ 1022°F)
D:S	12:1
Display resolution	0.1 °C (0.1°F) < 1000, 1°F > 1000
Accuracy	-50 ~ 20°C (-58°F ~ 68°F) ± 2.5°C(4.5°F) 20°C ~ 300°C (68°F ~ 572°F) ± 1.0% ± 1.0°C(1.8°F) 300°C ~ 550°C (572°F ~ 1022°F) ± 1.5% Assumes ambient operating temperature of 23 to 25 °C (73 to 77°F)
Repeatability	-50 ~ 20°C(-58 ~ 68°F): ± 1.3°C (2.3°F) 20 ~ 550°C (68 ~ 1022°F): ± 0.5% or ± 0.5°C (0.9°F)
Response time	150ms
Spectral response	8 ~ 14um
Emissivity	Digitally adjustable from 0.10 to 1.0
Over range indication	LCD will show "...."
Polarity	Automatic (no indication for positive polarity); Minus (-) sign for negative polarity
Diode laser	output < 1mW,Wavelength 630 ~ 670nm, Class 2 laser product
Operating temp.	0 to 50°C (32 to 122°F)
Storage temp.	-10 to 60°C (14 to 140°F)
Relative humidity	0% ~ 90%RH operating, < 80%RH storage
Power supply	9V battery, NEDA 1604A or IEC 6LR61, or equivalent
Safety	" CE " Comply with EMC

Accessories: 9V battery, Carrying case and Gift box.