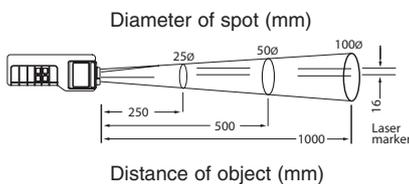




This thermometer has a laser marker to ensure accurate spot measurement. The display can show temperatures in Fahrenheit or Celsius. A limit function sets upper and lower thresholds and a tone alerts if they are exceeded. Optional auto power off conserves battery life. The emissivity can be adjusted for different surfaces. K Type thermocouples can be used and comes with it.

Field of View: 100mmØ at 1000mm (3.9"Ø at 39.0") Size increases with distance as shown (Diameter measured at 90% Energy)



LASER SPECIFICATIONS

Laser safety classification of Class II

Wave Length: Red (670nm).

Operating Distance: 2 to 50 feet.

Power out: <1mW, class II laser product.

SPECIFICATIONS

INFRARED ELECTRICAL

Temperature Range: -20°C to 550°C / -4°F to 1022°F

Display Resolution: 0.5°C/1°C (Auto), 1°F

Accuracy: ±2% of reading or ±3°C/6°F, @ 18 to 28°C (@ 64.4 to 82.4°F ambient temperature).

Temperature Coefficient: ±0.2% of reading or ±0.2°C/0.36°F, change in accuracy per °C/°F change in ambient operating temperature above 28°C/82.4°F or below 18°C/64.4°F.

Response Time: 1 second

Spectral Response: 6 to 14µm nominal

Emissivity: 0.10 to 1.00 by step of 0.01

Detection Element: Thermopile

Optical Lens: Fresnel Lens

Sighting: 1-beam laser marker <1mW (class 2)

K-type thermocouple ELECTRICAL

Measurement Range:

Thermocouple	Range
K-TYPE	-200°C to 1372°C, -328°F to 1999°F

Auto range: 0.1°C/1°C, 0.1°F/1°F

Accuracy: For operating temperatures of 18°C to 28°C (64°F to 82°F), for 1 year, not including thermocouple error.

±(0.1%rdg+1°C) on -50°C to 1372°C

±(0.1%rdg+2°C) on -50°C to -200°C

±(0.1%rdg+2°F) on -58°F to 1999°F

±(0.1%rdg+4°F) on -58°F to -328°F

Input Protection: 24V dc or 24V ac rms maximum input voltage on any combination of input pins.

Input Connector: Accepts standard miniature thermocouple connectors (flat blades spaced 7.9mm, center to center).

Display: 3½ digit (LCD): maximum reading of 1999

Low battery indication

Measurement rate: 1 times per second, nominal.

Operating Environment: 0° to 50°C (32° to 122°F) at <80% Rh

Storage Temperature: -20°C to 60°C (40°F to 140°F), 0 to 80% Rh with battery removed from the meter

Auto power off: 15 seconds.

Standby current consumption: <9mA

Dual Display with back-light

Battery: 9 volt battery. (NEDA 1604, IEC 6F22)

Dimensions (mm): 170(H) x 65.5(W) x 35(D) x 195g (weight)