

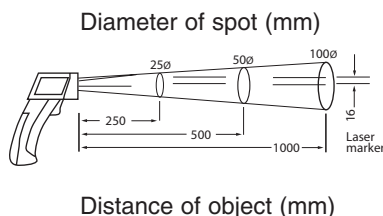


This pistol style infra red thermometer has a laser marker to ensure accurate spot measurement. The display can show temperatures in Fahrenheit or Celsius.

A limit function allows you to set upper and lower temperature thresholds and a tone alerts if the limits are exceeded.

An optional auto power off feature can conserve battery life.

Field of View: 100mmØ at 1000mm (3.9"Ø at 39.0")



Spot size increases with distance from the probe tip as shown (Spot Diameter measured at 90 % Energy)

SPECIFICATIONS

ELECTRICAL

Temperature Range: -30°C to 550°C / -22°F to 1022°F

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

Accuracy: $\pm(2^{\circ}\text{C}/4^{\circ}\text{F})$ for -30°C to 100°C, -22°F to 212°F
 $\pm(2\% \text{ reading})$ for 101°C to 550°C, 213°F to 1022°F

Temperature Coefficient: $\pm 0.2\%$ of reading or $\pm 0.36^{\circ}\text{F}/0.2^{\circ}\text{C}$, whichever is greater, change in accuracy per $^{\circ}\text{F}/^{\circ}\text{C}$ change in ambient operating temperature above 82.4°F/28°C or below 64.4°F/18°C.

Response Time: 0.25 second

Spectral Response: 6 to 14µm nominal

Adjustable emissivity (e): 0.1 to 1.0

Detection Element: Thermopile

Optical Lens: Fresnel Lens

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

LASER SPECIFICATIONS

Laser safety classification of Class 2

Wave Length: Red (630~670nm).

Power out: <1mW, class 2 laser product

Display: 3½ digit liquid crystal display (LCD) with maximum reading of 1999

Low battery indication

Measurement time: 0.25 second, nominal

Operating Environment: (0°C to 50°C) 32°F to 122°F at < 70% R.H.

Storage Temperature: (-20°C to 60°C) -4°F to 140°F, 0 to 80% R.H. with battery removed

Auto power off: 10 seconds, can be disabled.

Standby current consumption: <5µA

MAX, MIN record function

Display with back-light

Battery: Standard 9V battery (PP3, NEDA 1604, IEC 6F22006P)

Battery Life: 9 hours (continuous) typical (using Laser and Back light)

Dimensions: 148mm(H) x 105mm(W) x 42mm(D)

Weight: approx. 157g (including battery)