



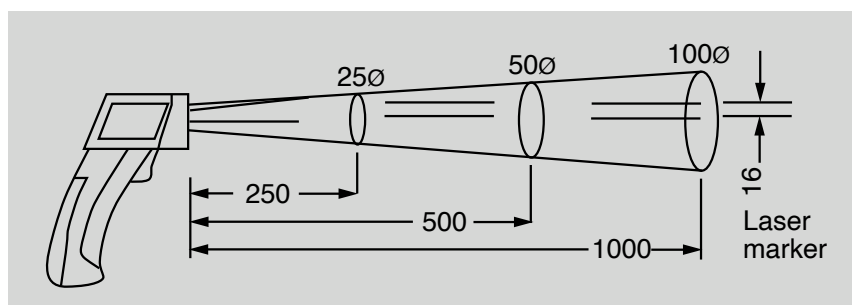
Key features

- Measures -30°C to +550°C
- Adjustable emissivity from 0.1 – 1.0
- Laser pointer for better accuracy
- Temperature measurement alarm

The Martindale IR88 is a pistol style infrared thermometer designed to measure temperature easily and without needing to be close-up or touching whatever you are measuring. With multiple uses, including checking electrical circuits for equipment overheating, the IR88 includes a laser marker to ensure accurate spot measurement. The clear, LCD display shows the temperature in both °C or °F.

A limit function allows you to set upper and lower temperature thresholds and an alarm sounds if these limits are exceeded. There is also a selectable “auto power off” feature to conserve battery life. Adjustable emissivity values from 0.1 – 1.0 allow measurement compensation for a range of different materials.

Diameter of spot (mm)



Distance of object (mm)

Field of View: 100mmØ at 1000mm (3.9"Ø at 39.0") Spot size increases with distance from the probe tip as shown



Keeping You Safe

IR88

Industrial thermometer

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 14 μm 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: Class 2

Wave Length: Red (630~670nm).

Power out: <1mW, class 2 laser product

ENVIRONMENTAL

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

GENERAL

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

Low battery indication: Yes

Measurement time: 0.25 second, nominal

Auto power off: 10 seconds, can be disabled.

Standby current consumption: <5 μA

MAX, MIN record function: Yes

Display with back-light: Yes

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

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

Weight: approx. 157g (including battery)

Not suitable for medical use.

Included

9V battery & instruction manual

Related products

IR90 Infrared & K-type Thermometer

DT173 Single Input K-type Digital Thermometer

DT175 Dual Input K-type Digital Thermometer

DTL84 Four Channel Data Logger Thermometer

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