



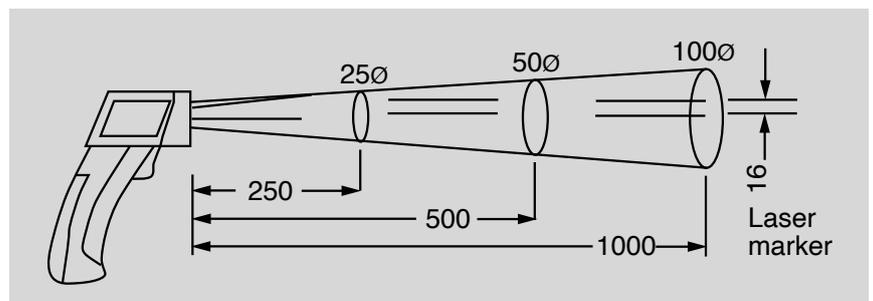
Key features

- 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
 $\pm(2\%$ 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

Martindale Electric Co. Ltd.
Metrohm House, 12 Imperial Park,
Imperial Way, Watford WD24 4PP.
T: 01923 441717 F: 01923 446900
www.martindale-electric.co.uk
sales@martindale-electric.co.uk

Ver. B2.0

Due to policy of continuous development, Martindale Electric reserves the right to alter equipment specification and description outlined in this document without prior notice. No part of this document shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract. © 2021 Martindale Electric Co. Ltd.