

Non-Contact Infrared Thermometer

This infrared thermometer measures temperature without contact. It features an 8:1 distance to spot size ratio and displays temperature in Celsius and Fahrenheit.



Product Overview

EM527 Infrared Thermometer

The EM527 is a versatile non-contact infrared thermometer designed for rapid and reliable surface temperature measurement. Equipped with an advanced infrared sensor, it allows users to easily identify thermal leaks in walls, molding, and ductwork. The device features an intuitive auto-color change function that provides immediate visual feedback, making it an essential tool for insulation and maintenance professionals.

Measurement Performance

Measuring Range

-38 °C
Min Temp

520 °C
Max Temp

Optical Ratio (D:S)	8:1
Response Time	1 sec
Measuring Precision	± 2°C or 2% of reading
Response Wavelength	7.5 ~ 13.5µm
Emissivity	0.95

Technical Specifications

Power Management

- Backlight shut off: 15s inactivity
- Auto power off: 60s inactivity

Display Resolution	0.1°C / 0.1°F
Power Supply	2 x 1.5V AAA Batteries

Environmental Requirements

Operating Environment

Parameter	Range
Operating Temperature	0°C ~ 40°C
Operating Humidity	0 ~ 75% RH
Storage Temperature	-20°C ~ 60°C

Physical Characteristics

Dimensions	162 x 118 x 49 mm
Weight	170 g