

Principle

The underlying technology for Infrared Radiation Pyrometer is based on the principle that all objects emit radiation at wave lengths in the infrared region (0.4~0.75um) of the electromagnetic radiation spectrum. Infrared thermometer measures this radiation and provides an output signal calibrated in a variety of ranges according to the requirement.



Features

- K-type thermocouple for contact measurement
- Circular laser for better visual feedback
- Color screen LCD
- Data storage and recall
- Low battery and overload indication
- Mildew alarm and temperature difference alarm indication

Technical Specifications

Model	Metrix+ 65 Pro
Measuring range	-50 ~ 850°C (-58 ~ 1562°F)
Accuracy	±1.5% rdg or ±1.5°C, whichever is greater
Resolution	0.1°C
Repeatability	1% rdg or 1°C, whichever is greater
DS Ratio	12:1
Wavelength	8 – 14 um
Response time	0.5s, 95% response
Power	2 x AAA 1.5V batteries
Operating conditions	0 ~ 40°C (32 ~ 104°F) 10 ~ 90% RH, non-freezing and non-toxic
Storage temperature	-10 ~ 60°C (14 ~ 140°F)
Standard accessories	Instrument, manual, gift box packing
K-type thermocouple specifications	
Measuring range	0 ~ 250°C (300°C for very short time)
Accuracy	0.75% rdg or 2.5°C, whichever is greater
Response time	< 10s
Emissivity	Adjustable 0.10 ~ 1.00