

Features

- Infrared thermometer with integral type k thermocouple input for contact measurement
- Built-in laser pointer identifies target area
- 30:1 distance to spot size ratio
- Digitally adjustable emissivity and ability to automatically set emissivity with included thermocouple probe
- High and low alarms
- Trigger lock for continuous monitoring
- Max, min, avg and differential readings
- Internal memory to store up to 20 data points
- Backlit display
- User selectable °F or °C
- Low battery indication and auto shut off
- Includes type K thermocouple probe, carrying case and battery

Specifications

IR Temperature

Range: -58 to 1922°F (-50 to 1050°C)
 Accuracy: -58 to -4°F (-50 to -20°C): ± 9°F(5°C);
 -4 to 392°F (-20 to 200°C): ±1.5% rdg.
 +3.6°F (2°C); 392 to 1000°F (200 to 538°C):
 ±2.0% rdg. + 3.6°F (2°C); 1000 to 1922°F
 (538 to 1050°C): ±3.5% rdg. + 9°F (5°C)
 Resolution: 0.1°F (0.1°C)

Contact Type K T/C

Range: -58 to 2498°F (-50 to 1370°C)
 Accuracy: -58 to 1832°F (-50 to 1000°C): ±1.5% rdg.
 +5°F (3°C); 1832 to 2498°F (1000 to 1370°C):
 ±1.5% rdg. +3.6°F (2°C)
 Resolution: -50 to 1370°C: 0.1°C
 -58 to 1999.9°F: 0.1°F
 2000 to 2498°F: 1°F

General Specifications

Optical Resolution (D:S): 30:1
 Spectral Response: 8 to 14µm
 Emissivity: 0.1 to 1.0 (Adjustable)
 Response Time: <1 sec
 Display Size/Type: 1.6" LCD
 Backlit Display: Yes
 Display Hold: Yes
 High/Low Alarms: Yes (Audible beep)
 Max/Min: Yes
 Average and Differential: Yes
 F/C Switchable: Yes

TECHNICAL DATA



Trigger Lock:	Yes
Auto Shut Off:	Yes (after 8 secs)
Internal Memory:	Yes (20 datapoints)
Thermocouple Input:	Yes
Laser Class:	Class II
Low Battery Indicator:	Yes
Power Supply:	9V battery
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Operating Humidity:	10-90%
Dimensions:	3.9 x 2.2 x 9" (100 x 56 x 230mm)
Weight:	10.2oz (290g)

Model	Description
R2005	Infrared Thermometer
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Surface Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
CA-05A	Soft Carrying Case
R2005-NIST	Infrared Thermometer & NIST