



TECHNICAL DATA

Specifications

Temperature Range:	-26 to 2282°F (-32 to 1250°C)
Accuracy:	Basic: $\pm 1.8\%$ of reading or 3.6°F (1.8°C) Detailed: $\geq 0^\circ\text{C}$: $\pm 1.8^\circ\text{C}$ or $\pm 1.8\%$ of reading, whichever is greater $< 0^\circ\text{C}$: $\pm (1.8^\circ\text{C} + 0.1^\circ\text{C}/^\circ\text{C})$ $\geq 32^\circ\text{F}$: $\pm 3.6^\circ\text{F}$ or $\pm 1.8\%$ of reading, whichever is greater $< 32^\circ\text{F}$: $\pm (3.6^\circ\text{F} + 0.1^\circ\text{F}/^\circ\text{F})$ 0.1°F (0.1°C)
Resolution:	50:1
Optical Resolution (D:S):	0.7°C or 0.7%, whichever is greater (1.5°F or 0.7%, whichever is greater)
Repeatability:	0.7°C or 0.7%, whichever is greater
Dual Laser:	Yes
Spectral Response:	8 to 14 μm
Emissivity:	0.1 to 1.0 (Adjustable)
Response Time:	250ms
Backlit Display:	Yes (Color EBTN)
Display Hold:	Yes
High/Low Alarms:	Yes (audible and visual)
Alarm Indicators:	LED (High: Red, Low: Blue)
Max/Min:	Yes
Average and Differential:	Yes
F/C Switchable:	Yes
Trigger Lock:	Yes
Internal Memory:	Yes
Tripod Mountable:	Yes
Laser Class:	Class II
Low Battery Indicator:	Yes
Power Supply:	9V Battery
Battery Life:	Approx. 10 hours (with continuous use, backlight on)
Product Certifications:	CE, RoHS
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Operating Humidity Range:	10 to 90%
Maximum Operating Altitude:	6561' (2000m)
Maximum Storage Altitude:	39370' (12000m)
Dimensions:	7 x 4.98 x 2" (179 x 126.5 x 53mm)
Weight:	10.95oz (310g)

Features

- Built-in laser pointer identifies target area
- User selectable °F or °C
- 50:1 Distance to Spot size ratio
- Bright color display (EBTN)
- Digitally adjustable emissivity
- Max, Min, Average and Differential readings
- Audible (beep) and visual (tri-color LED) user adjustable alarms
- Internal memory stores up to 5 pre-set high & low alarms and 5 emissivity settings
- Trigger lock and tripod mount for continuous monitoring
- Low battery indication and auto shut off
- Includes carrying case and battery

Tri-color LEDs quickly indicate when temperatures are within (green), above (red) or below (blue) set parameters.



Model	Description
R2330	Infrared Thermometer
R2330-NIST	Infrared Thermometer with NIST