



TECHNICAL DATA

Specifications

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|-----------------------------|---|
| 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): | 0.8°C or 0.8%, whichever is greater (1.8°F or 0.8%, whichever is greater) |
| Repeatability: | 0.8°C or 0.8%, 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 |