# REED INSTRUMENTS

## Infrared Thermometer
### Model R2320

TRACEABLE AVAILABLE!
CERTIFICATION

1 YEAR WARRANTY

## TECHNICAL DATA

### Specifications

| | |
|---|---|
| Temperature Range: | -26 to 1472°F (-32 to 800°C) |
| Accuracy: | Basic: ±1.8% of reading or 3.6°F (1.8°C) |
| | Detailed: ≥0°C: ±1.8°C or ±1.8% of reading, whichever is greater |
| | <0°C: ±(1.8°C+0.1°C/°C) |
| | ≥32°F: ±3.6°F or ±1.8% of reading, whichever is greater, |
| | <32°F: ±(3.6°F+0.1°F/°F) |
| Resolution: | 0.1°F (0.1°C) |
| Optical Resolution (D:S): | 30:1 |
| Repeatability: | 0.7°C or 0.7%, whichever is greater (1.5°F or 0.7%, whichever is greater) |
| Spectral Response: | 8 to 14µm |
| 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 |
| 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 × 126.5 × 53mm) |
| Weight: | 10.95oz (310g) |

### Features

- Built-in laser pointer identifies target area
- User selectable °F or °C
- 30:1 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 |
|---|---|
| R2320 | Infrared Thermometer |
| R2320-NIST | Infrared Thermometer with NIST |