

# 42570 Dual Laser InfraRed Thermometer



Extech's 42570 features high non-contact IR temperature range measuring up to 3992°F (2200°C). Fast 100mS response time with one of the highest accuracies at the spot where dual lasers converge. It also features a Type K input for making contact temperature measurements expanding your application use. In addition, it includes software, cable, and USB interface for continuous data transfer to your PC allowing further temperature analysis.



## Features

- High 50:1 distance to target ratio measures smaller surface areas at greater distances
- Dual Laser Targeting indicates ideal measuring distance when two laser points converge to 1" target spot
- Type K thermocouple input from -58 to 2498°F (-50 to 1370°C) — range is dependent on probe
- Lock function for continuous readings
- White backlit multifunction LCD display with bargraph
- Fast 100 millisecond response time
- MAX/MIN/AVG/DIF feature displays highest, lowest, average, and MAX minus Min values
- Adjustable emissivity increases measurement accuracy for different surfaces
- Adjustable High/Low set points with audible alarm alerts user when temperature exceeds the programmed set points
- USB interface includes software
- Tripod mounting feature
- Complete with general purpose Type K Temperature probe, USB cable and software, tripod, carrying case and 9V battery

## Specifications

|                                    |                                    |
|------------------------------------|------------------------------------|
| Laser Convergence Distance         | 50" (127cm)                        |
| IR Range                           | -58 to 3992°F (-50 to 2200°C)      |
| Repeatability                      | ±0.5% or 1.8°F/1°C                 |
| Basic Accuracy                     | ±(1% of rdg + 2°F/1°C)             |
| Max resolution                     | 0.1°F/°C                           |
| Emissivity                         | 0.10 to 1.00 Adjustable            |
| Field of View (Distance to Target) | 50:1                               |
| Type K Range                       | -58 to 2498°F (-50 to 1370°C)      |
| Memory                             | Manually Store/Recall 100 readings |
| Dimensions/ Weight                 | 204x155x52mm / 320g                |

## Ordering

42570 **N**\*..... Dual Laser IR Thermometer

**N** Indicates products that are available with optional calibration traceable to NIST. Order with -NISTL after part number.

\*Limited NIST for Certificate of Traceability from -4 to 1500°F (-20 to 815°C)