EXTECH INSTRUMENTS

PRODUCT DATASHEET

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)*

3 YEAR WARRANTY

UPC Code: 793950425701

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