



42540

42540, High Temperature IR Thermometer, -50°C to 760°C

Measures surface temperature up to 1400°F (760°C), With built-in Laser Pointer that identifies target area and improves aim.

- High temperature range from -58° to 1400°F (-50 to 760°C) • 16 to 1 distance to target ratio measures smaller surface areas at greater distances
- Adjustable high/low alarm alerts user visually and audibly when temperature exceeds programmed limits • Adjustable emissivity for better accuracy on different surfaces • MAX/MIN/AVG/DIF features display highest, lowest, average, and MAX minus MIN values • Large backlit display • Laser pointer identifies target area • Automatic Data Hold
- Automatic Power Off • High Resolution of 0.1° up to 199.9° • Complete with 9V battery and hard carrying case.

Model	42540
IR Temperature Range	-58 to 1400°F (-50 to 760°C)
Basic Accuracy	$\pm 2\% \text{rdg or } 4^\circ\text{F}(2^\circ\text{C}) < 932^\circ\text{F}(500^\circ\text{C}); \pm (2.5\% \text{rdg} + 5^\circ) > 932^\circ\text{F}(500^\circ\text{C})$
Max resolution	0.1°F/°C
Emissivity	0.10 to 1.00 Adjustable
Field of View (Distance to Target)	16:1
Dimensions	3.9x2.2x9" (100x56x230mm)
Weight	10.2oz (290g)



42570

42570, High Temperature IR Thermometer, -50°C to 2200°C

Fast response (100mS) with highest accuracy at point where dual lasers converge plus Type K input and USB interface

- 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 • Fast 0.10 second response time • Tripod mounting feature and Lock function for continuous measurements • Stores up to 100 readings • White backlit LCD with bargraph • MAX/MIN/AVG/DIF functions • Adjustable emissivity • Adjustable High/Low set points with audible alarm • Complete with general purpose Type K bead wire probe, USB cable and PC software, tripod, 9V battery and case.

Model	42570
Laser Convergence Distance	50" (127cm)
IR Temperature Range	-58 to 3992°F (-50 to 2200°C)
Repeatability	$\pm 0.5\%$ or $1.8^\circ\text{F}/1^\circ\text{C}$
Basic Accuracy	$\pm (1\% \text{ of rdg} + 2^\circ\text{F}/1^\circ\text{C})$
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	8x6.1x2" (204x155x52mm)
Weight	11.3oz (320g)
Ordering	42570 50" Distance Dual Laser InfraRed Thermometer