



## InfraRed Thermometers

Extech's range of High Temperature IR Thermometers include models with alarms, Type K inputs or Datalogging and printing capabilities.

## Featuring Model 42545

### ► High Temperature

-58 to 1832°F (-50 to 1000°C) for demanding applications

### ► 50:1 Distance to Target

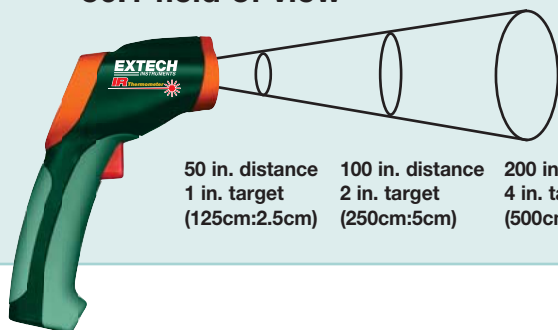
Measures small areas from greater distances

### ► Laser Pointer

Identifies target area and improves aim



### 50:1 field of view



50 in. distance	100 in. distance	200 in. distance
1 in. target	2 in. target	4 in. target
(125cm:2.5cm)	(250cm:5cm)	(500cm:10cm)



All models include carrying case (either soft or hard) and 3 year warranty

### Order Meter with NIST Certificate\*

All Extech meters come factory calibrated. For an additional charge, Extech will supply your meter with a Certificate of Calibration Traceable to N.I.S.T. with Data at multiple points. **To order meter with NIST:**

42515-NIST  
42540-NIST  
42545-NIST

\*Only products listed are available with NIST Certificate. Meter must be ordered with NIST Certificate at time of purchase.

### Specifications

Model	
Range	
Basic Accuracy	
Repeatability	
Max. Resolution	
Emissivity	
Field of View (Distance to Target)	
Dimensions	
Weight	
CE	
Warranty	



## 42515 1472°F (800°C), 13:1, IR Thermometer Type K Input, Memory

Automatic Emissivity Adjustment allows accurate measurement of virtually any surface

- ✓ Wide temperature range for IR temperature and type K thermocouple measurements
- ✓ Automatic emissivity adjustment (for temperatures 212°F or higher)
- ✓ Memory stores up to 20 readings
- ✓ Adjustable high/low visual and audible alarm
- ✓ MAX/MIN/AVG/DIF features display highest, lowest, average, and MAX minus MIN values
- Large LCD display with bright backlight
- Built-in laser pointer improves aim
- Data Hold, Auto power off, and Low battery indication
- Complete with 9V battery, type K bead wire probe (-22 to 572°F/-30 to 300°C), and soft case

See pages 42 and 80 to order other Type K probes



## 42540 1400°F (760°C), 16:1, with Alarm, IR Thermometer

16:1 distance to target ratio, rugged thermometer

- ✓ High Temperature range from -58° to 1400°F (-50 to 760°C)
- ✓ 16 to 1 distance to target ratio
- ✓ Adjustable high/low alarm alerts user visually and audibly when temperature exceeds programmed limits
- ✓ Adjustable emissivity for better accuracy on different surfaces
- ✓ MIN/MAX/AVG/DIF features display highest, lowest, average, and MAX minus MIN values
- Large backlit display
- Laser pointer identifies target area
- Automatic Data Hold
- Auto power off
- Complete with 9V battery and hard carrying case



## 42545 1832°F (1000°C), 50:1, with Alarm, IR Thermometer

50:1 distance to target ratio

- ✓ Highest 50 to 1 distance to target ratio measures smaller surface areas at greater distances
- ✓ Widest Temperature range from -58 to 1832°F (-50 to 1000°C)
- ✓ Adjustable high/low alarm alerts user visually and audibly when temperature exceeds programmed limits
- ✓ Adjustable emissivity for better accuracy on different surfaces
- ✓ MIN/MAX/AVG/DIF features display highest, lowest, average, and MAX minus MIN values
- Large backlit display
- Laser pointer identifies target area
- Automatic Data Hold
- Auto power off
- Complete with 9V battery and hard carrying case

### 42515

-58 to 1472°F (InfraRed); -58 to 2498°F (Type K)  
-50 to 800°C (InfraRed); -50 to 1370°C (Type K)  
(IR)  $\pm 2\%$ rdg or 4°F (2°C);  
 $\pm 1.5\%$ rdg + 2°F/1°C (Type K)

$\pm 0.5\%$  or  $\pm 1.8\%$ F/1°C  
0.1°F/°C

0.1 to 1.00 Adjustable  
13:1

3.2 x 1.6 x 6.3" (82 x 42 x 160mm)

6.4oz (180g)

Yes

✓ 3 years

### 42540

-58 to 1400°F  
-50 to 760°C  
 $\pm 2\%$ rdg or 4°F (2°C) whichever  
is greater < 932°F (500°C);  
 $\pm (2.5\%$ rdg + 5°) > 932°F (500°C)

$\pm 0.5\%$  or  $\pm 1.8\%$ F/1°C  
0.1°F/°C

0.1 to 1.00 Adjustable  
16:1

3.9 x 2.2 x 9" (100 x 56 x 230mm)

10.2oz (290g)

Yes

✓ 3 years

### 42545

-58 to 1832°F  
-50 to 1000°C  
2%rdg + 4°F/2°C < 932°F (500°C);  
3% + 9°F/4°C > 932°F (500°C)

$\pm 0.5\%$  or  $\pm 1.8\%$ F/1°C  
0.1°F/°C

0.1 to 1.00 Adjustable  
50:1

3.9 x 2.2 x 9" (100 x 56 x 230mm)

10.2oz (290g)

Yes

✓ 3 years