

## Extech Infrared Thermometers

### Mini IR Thermometers

Compact thermometers with choice of 500°F or 1200°F maximum reading

- Model 42500 measures -4 to 500°F (-20 to 260°C) with 1° resolution
- Model 42510A measures -25 to 1200°F (-50 to 650°C) with 0.1° resolution up to 1000°
- Built-in laser pointer and backlit LCD display
- Adjustable emissivity (42510A)
- Field of view: 42500 6:1, 42510A 12:1
- Complete with 9V battery and carrying case



▲ **Model 42510A**

### High Temperature IR Thermometer

Measures surface temperature to 1832°F with 50:1 distance to target ratio

- Measures small surface areas at greater distances
- Adjustable emissivity increases accuracy for different surfaces
- Displays MAX, MIN, average and difference (MAX-MIN) values
- Audible high/low alarm alerts user when temperature exceeds set limits
- Large, backlit LCD display with automatic Data Hold feature
- Complete with 9V battery and hard carrying case



▲ **Model 42545**

### Dual Laser IR Thermometer

Two laser pointers converge to 1" target spot

- Measure to 1800°F (1000°C) with 1° resolution
- 30" laser convergence distance
- Fast 0.15 second response time
- White backlit dual LCD display
- Adjustable emissivity increases accuracy
- Lock function for continuous readings
- Adjustable high/low setpoints with audible alarm alerts
- Complete with 9V battery and carrying case



▲ **Model 42512**

### Dual Laser Waterproof IR Thermometer

Waterproof to IP65 with 3m drop protection

- Measures -40 to 1202°F / -20 to 650°C
- Dual laser converges at 12" distance for ideal 1" target spot
- Programmable alarms with flashing blue/red LEDs for visual alert
- Adjustable emissivity
- Automatic data hold
- MIN/MAX/AVG/DIF functions
- Fitting for tripod mounting
- Complete with 9V battery & case



▲ **Model IR320**

### ORDERING INFORMATION

EX/42500	500° Mini IR Thermometer
EX/42510A	1200° Mini IR Thermometer
EX/42509	Dual Laser IR Thermometer with Color Alert
EX/42512	Dual Laser High Temperature IR Thermometer
EX/42545	High Temperature IR Thermometer
EX/IR270	IR Thermometer with Color Alert
EX/IR320	Waterproof Dual Laser Thermometer

### IR Thermometer with Color Alert

Display changes to blue below low setpoint and red above high setpoint

- Measures from -40°F to 1202°F (-20° to 650°C)
- Built-in laser pointer to improve aim
- Adjustable emissivity
- Data Hold, Max Hold, & audible alarm
- 12:1 field of view
- Complete with 9V battery and soft pouch



▲ **Model IR270**

### SPECIFICATIONS

Model	42500	42510A	42509	42512	42545	IR270	IR320
Temperature: (non-contact)	-4 to 500°F -20 to 260°C	-25 to 1200°F -50 to 650°C	-4 to 950°F -20 to 510°C	-58 to 1832°F -50 to 1000°C	-58 to 1832°F -50 to 1000°C	-40 to 1202°F -20 to 650°C	-40 to 1202°F -20 to 650°C
Laser Pointer:	Single	Single	Dual	Dual	Single	Single	Dual
Basic Accuracy: (non-contact)	±2.5% of reading or ±4°F / 2°C (whichever is greater)	±1% of reading ± 2°F / 1°C	±1% of reading + 1°C	±1% of reading ± 2°F / 1°C	±2% of reading ± 4°F / 2°C <932°F (500°C)	±(1% of reading + 2°F / 1°C)	±(1% of rdg + 2°F / 1°C)
Max. Resolution:	1°	0.1° up to 999.9°	0.1°	0.1°	0.1° up to 199.9°	0.1°	0.1°
Emissivity	0.95 fixed	0.1-1.00 adjust	0.1-1.00 adjust	0.1-1.00 adjust	0.1-1.00 adjust	0.1-1.00 adjust	0.1-1.00 adjust
Field of View: (Distance to Target)	6:1	12:1	12:1 (12")	30:1	50:1	12:1	12:1
Dimensions:	3.2 x 1.7 x 6.7" 82x44x170mm	3.2 x 1.6 x 6.3" 82x42x160mm	5.7 x 4.1 x 1.7" 146x104x43mm	5.7 x 4.1 x 1.7" 146x104x43mm	3.9 x 2.2 x 9" 100x56x230mm	7.1 x 4.2 x 1.6" 180x107x40mm	7.4 x 4.6 x 2.2" 189x118x55mm
Weight	4.9oz (140g)	6.4oz (180g)	5.7oz (163g)	5.7oz (163g)	10.2oz (290g)	5.3oz (150g)	10.3oz (292g)
Warranty:	3 years	3 years	3 years	3 years	3 years	3 years	3 years