



**IR201A 518°F  
(270°C), 6:1,  
Pocket Laser  
IR Thermometer**

Handy troubleshooting thermometer with laser pointer

- Measures non-contact surface temperature up to 518°F (270°C)
- Adjustable high alarm
- Economical small pocket size design for convenience
- Built-in laser pointer identifies target area
- Data Hold and Min/Max Hold
- Lock mode for continuous scanning
- Auto power off
- Adjustable emissivity for better accuracy on different surfaces
- Complete with two AAA batteries and pouch case



**IR400 630°F  
(332°C), 8:1,  
Compact Laser  
IR Thermometer**

Compact thermometer with MIN/MAX readings

- MAX/MIN features display highest and lowest values
- Built-in laser pointer identifies target area
- Backlighting
- Automatic Data Hold when trigger released
- Fixed 0.95 emissivity covers 90% of surface applications
- Auto power off
- Complete with 9V battery and pouch case

**Tough, Reliable  
and Accurate**

Extech infrared thermometers provide non-contact, point-and-shoot temperature measurements ensuring safety and accuracy on the job.

SPECIFICATIONS	IR201A	IR400 <sup>N</sup>
IR Temperature (Non-contact)	-4 to 518°F (-20 to 270°C)	-4 to 630°F (-20 to 332°C)
Basic Accuracy	±(2.5%rdg±3.6°F/2°C)	±2% of reading +4°F/2°C
Max. Resolution	0.1°F/°C	0.1°F/°C
Emissivity	0.10 to 1.0 adjustable	0.95 fixed
Field of view (Distance to Target)	6:1	8:1
CE approved	Yes	Yes
Dimensions	3.7x2x1" (94x51x25mm)	3.2x1.6x6.3" (82x42x160mm)
Weight	2.7oz (76g)	6.3oz (180g)
Warranty	1 year	1 year



## Non-contact InfraRed & Contact Thermometers



**NEW**

### IR260 752°F (400°C), 12:1, Compact Laser IR Thermometer

Compact thermometer with programmable high/low alarm set limits

- Programmable high/low alarm alerts user visually and audibly when temperature exceeds set limits (audible alarm can be muted)
- Adjustable emissivity for better accuracy on variety of surfaces
- Bright white backlighting
- MAX/MIN features display highest and lowest values
- Built-in laser pointer identifies target area
- Automatic Data Hold when trigger released
- Overrange and low battery indicators
- Auto power off
- Complete with two AA batteries



### 42510A 1200°F (650°C), 12:1, Compact Laser IR Thermometer

Compact thermometer with high accuracy

- Adjustable high/low visual and audible alarm
- Adjustable emissivity for better accuracy on different surfaces
- MAX/MIN features display highest and lowest values
- Built-in laser pointer identifies target area
- Backlighting
- Over-range indicator
- Automatic Data Hold when trigger released
- Auto power off
- Complete with 9V battery and pouch case



**NEW**



Type K Thermometer

### IR267 1112°F (600°C), 12:1, IR Thermometer with Type K Input

Displays Air Temperature and IR or Type K

- Wide temperature range for non-contact InfraRed and Type K thermocouple measurements
- Measures Ambient (Air) Temperature
- Adjustable emissivity for better accuracy on different surfaces
- Adjustable high/low visual and audible alarm
- MAX/MIN/AVG and DIF for differential temperature reading
- LCD display with backlight
- Built-in laser pointer
- Data Hold, Auto power off, and Low battery indication
- Includes 9V battery and general purpose type K bead wire probe

For a variety of Type K Thermocouple temperature probes see pages 41 and 70

IR260	42510A <b>N</b>	IR267	SPECIFICATIONS
-4 to 752°F (-20 to 400°C)	-58 to 1200°F (-50 to 650°C)	IR: -58 to 1112°F (-50 to 600°C); Type K: -58 to 2498°F (-50 to 1370°C)	IR Temperature (Non-contact)
±2% of reading or ±3.6°F/2°C	±(1% of reading + 2°F/1°C)	IR: ±2%rdg or 4°F(2°C); Type K: ±1.5%rdg + 2°F/1°C	Basic Accuracy
0.1°F/°C	0.1°F/°C	0.1°F/°C	Max. Resolution
0.1 to 1.00 Adjustable	0.1 to 1.00 Adjustable	0.1 to 1.00 Adjustable	Emissivity
12:1	12:1	12:1	Field of view (Distance to Target)
Yes	Yes	Yes	CE approved
3.8x1.8x6.8" (97x46x172mm)	3.2x1.6x6.3" (82x42x160mm)	4.7 x1.7x6.0" (120x42x153mm)	Dimensions
8oz (226g)	6.4oz (180g)	4.9oz (138g)	Weight
3 years	3 years	3 years	Warranty

For the name of your local stocking distributor, visit [www.extech.com](http://www.extech.com)



## Fast responding, wide temperature ranges

Extech's Dual-laser IR temp gun accurately detects temperatures at far distances, and the 100-millisecond response time enables faster hot spot scanning.



Display color changes indicating if reading is within range

### 42509 Dual Laser, 950°F (510°C), 12:1, IR Thermometer with Color Alert

**Fast responding, programmable alarm with red or blue display and audible alarm**

- Great for processes that require temperature control and monitoring
- Fast, accurate measurements at 12" where the two lasers converge with 12:1 field of view
- Blue backlit dual LCD display changes to Red when reading exceeds High or Low set points
- Fast 150 millisecond instantaneous response for capturing spikes in temperature
- Max Hold
- Lock function for continuous readings
- Adjustable emissivity
- Adjustable High/Low set points with audible alarm
- Double molded housing
- Complete with case and 9V battery



### 42512 Dual Laser, 1832°F (1000°C), 30:1, IR Thermometer

**Fast response and accurate measurements**

- Dual laser simplifies distance-to-target ratio—no more calculations!
- Accurate measurements at 30" distance
- Fast 150 millisecond instantaneous response for capturing spikes in temperature
- Max mode captures and holds rapidly changing temperatures
- Lock function for continuous readings
- White backlit dual LCD display
- Adjustable emissivity increases measurement accuracy for different surfaces
- Double molded housing
- Adjustable High/Low set points with audible alarm alerts user when temperature exceeds the programmed set points
- Complete with carrying case and 9V battery

SPECIFICATIONS	42509 <span style="color: green;">N</span>	42512 <span style="color: green;">N</span>
Range	-4 to 950°F (-20 to 510°C)	-58 to 1832°F (-50 to 1000°C)
Basic Accuracy	±(1% of rdg + 2°F/1°C)	±(1% of rdg + 2°F/1°C)
Repeatability	±0.5% or 1.8°F/1°C	±0.5% or 1.8°F/1°C
Max. Resolution	0.1°F/°C	0.1°F/°C
Emissivity	0.10 to 1.00 Adjustable	0.10 to 1.00 Adjustable
Field of View (Distance to Target)	12:1	30:1
CE approved	Yes	Yes
Dimensions/ Weight	5.7x4x1.6" (146x104x43mm)/ 5.7oz (163g)	5.7x4x1.6" (146x104x43mm)/ 5.7oz (163g)
Warranty	3 years	3 years



## High Temperature InfraRed & Contact Thermometers



### 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
- Built-in laser pointer
- 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
- Built-in laser pointer
- Automatic Data Hold
- Auto power off
- Complete with 9V battery and hard carrying case



Type K Thermometer

### 42570 3992°F (2200°C), 50:1, Dual Laser, IR Thermometer

Fast response (100mS) with highest accuracy 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

42540 N	42545 N	42570 N	SPECIFICATIONS
-58 to 1400°F (-50 to 760°C)	-58 to 1832°F (-50 to 1000°C)	IR: -58 to 3992°F (-50 to 2200°C) Type K: -58 to 2498°F (-50 to 1370°C)	Range
±2%rdg or 4°F (2°C) whichever is greater < 932°F (500°C); ±(2.5%rdg + 5°) > 932°F (500°C)	2%rdg + 4°F/2°C < 932°F (500°C); 3% + 9°F/4°C > 932°F (500°C)	±(1%rdg + 2°F/1°C)	Basic Accuracy
±0.5% or ±1.8°F/1°C	±0.5% or ±1.8°F/1°C	±0.5% or ±1.8°F/1°C	Repeatability
0.1°F/°C	0.1°F/°C	0.1°F/°C	Max. Resolution
0.1 to 1.00 Adjustable	0.1 to 1.00 Adjustable	0.1 to 1.00 Adjustable	Emissivity
16:1	50:1	50:1	Field of View (Distance to Target)
Yes	Yes	Yes	CE approved
3.9x2.2x9" (100x56x230mm)/ 10.2oz (290g)	3.9x2.2x9" (100x56x230mm)/ 10.2oz (290g)	8x6.1x2" (204x155x52mm)/ 11.3oz (320g)	Dimensions/ Weight
3 years	3 years	3 years	Warranty

**VIR50 Digital Laser Video IR Thermometer**



Upload images and videos to a PC or laptop for further analysis or use for report documentation.

Includes microSD card, general purpose Type K bead wire probe, USB cable, rechargeable 3.7V battery, and carrying case; 3 year warranty; (See p. 41 and 70 for additional optional Type K Thermocouple probes)



**2.2" Color TFT LCD and Built-in Camera with a microSD card for capturing images (JPEG) and video for viewing on your PC**

- Dual laser indicates ideal measuring distance where the two laser points converge to a 1" target spot
- Fast 150 millisecond response time
- Color LED bargraph for viewing trends
- Type K Thermocouple input
- Air Temperature and Relative Humidity measurement
- 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
- MAX/MIN/AVG/DIF functions
- Trigger lock function for continuous readings
- USB interface
- Auto power off

**SPECIFICATIONS**

Laser Convergence Distance	50" (127cm)
IR Temperature 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
Temperature Range	Type K: -58 to 2498°F (-50 to 1370°C); Air: 32 to 122°F (0 to 50°C)
Relative Humidity	0 to 100%RH
Dimensions/ Weight	7.4x6.0x2.2" (189x152x57mm)/ 17.4oz (494g)

**ORDERING**

VIR50 <b>N</b>	Dual Laser Video IR Thermometer
BATT-37V	Rechargeable 3.7V battery

**IRT600 Dual Laser IR Thermal Condensation Scanner**



Large, bright LED indicator changes color to show the mildew potential for the current environmental conditions: Green LED indicates a very low potential; Yellow LED indicates a moderate potential; Red LED indicates a high probability for mildew formation



**Measures Temperature and Humidity then calculates Dew Point and warns when conditions for mold growth exist**

- Great for processes that require surface temperature control and monitoring
- Green LED changes to Yellow and then to Red as the surface temperature reading gets closer to and then equals the calculated Dew Point reading
- Dual lasers indicate ideal measuring distance where the two lasers converge to a 1" target spot
- 12:1 Distance to Target ratio
- 150 millisecond IR Temperature response time
- Switchable backlight and laser
- Max hold
- Complete with case and 9V battery; 1 year warranty

**SPECIFICATIONS**

IR Temperature Range	-22 to 662°F (-30 to 350°C)
Basic Accuracy	±(1% of rdg + 2.7°F/1.5°C)
Air Temperature	32 to 122°F (0 to 50°C)
Max resolution	0.1°F/°C
Distance to Target	12:1
Emissivity	0.95 fixed
Humidity	20 to 80%RH
RH accuracy	±3.5%RH
Dew Point	-22 to 212°F (-30 to 100°C)
Dimensions/ Weight	6.6x3.2x2.3" (168x82x58mm)/ 5.7oz (163g)

**ORDERING**

IRT600 <b>N</b>	Dual Laser IR Thermal Condensation Scanner
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**IR300UV IR Thermometer with UV Leak Detector**



**4-in-1 Thermometer features a non-contact IR Thermometer, UV Leak Detector, bright Flashlight, and a unique coaxial Distance-to-Spot laser**

- Non-contact IR Thermometer measures temperature up to 932°F (500°C)
- UV Leak Detector with 5 UV/Blue LEDs (460-470nm)
- Coaxial laser displays a circular representation of the target area
- Programmable High/Low Temperature set points with audible and visual alarm
- Adjustable emissivity for better accuracy on different surfaces
- MAX/MIN/AVG/DIF displays highest, lowest, average, and Max minus MIN values
- Bright flashlight with 5 white LEDs
- Automatic data hold when trigger is released
- Auto power off
- Complete with three AA batteries

**SPECIFICATIONS**

IR Temperature	-22 to 932°F (-30 to 500°C)
Resolution	0.2°F, 0.1°C
Accuracy	±1.5% rdg or ±3°F/±1.5°C whichever is greater
Distance to Target ratio	12:1
Emissivity	0.10 to 1.00 (adjustable)
Repeatability	±0.8% rdg or ±2°F/±1°C whichever is greater
Dimensions/ Weight	4.1 x 2.1 x 7.3" (104 x 54 x 185mm)/ 10.6oz (300g)

**ORDERING**

IR300UV	IR Thermometer with Leak Detector
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Unique Distance-to-Spot coaxial guidance laser



Distance-to-Spot coaxial guidance laser and UV detection of refrigerant leak





## More Capabilities for Better Diagnostics

Our thermocouple thermometers deliver accurate temperature readings and easy, one-button Delta-T calculations and feature high/low alarms, dual and triple displays, data functions, and datalogging.

### ACCESSORIES

TP200	Type K Clamp Probe (-4 to 200°F)
TP870	Type K Bead wire Probe (-40 to 482°F)
TP882	Type K Penetration Probe (-50 to 1000°F)
871515	Type K, 4" (100mm) General Probe (-32 to 1292°F/-200 to 700°C)
881605	Type K, 8" (203mm) General Probe (-328 to 1292°F/-200 to 700°C)
881603	Type K, 6" (150mm) Immersion Probe (-58 to 1292°F/-50 to 700°C)
881602	Type K, 6" (100mm) Surface Probe (-58 to 1472°F/-50 to 800°C)
872502	Type J Bead Wire Probe (-328 to 392°F)
801515	Type J, 4" (100mm) General Probe (-328 to 842°F)



See desktop or Pocket style Temperature Indicators on p. 74-75



### SPECIFICATIONS

	TM100 <sup>N</sup>	TM300 <sup>N</sup>
Single or Dual Input	Single	Dual
Type K °F (°C)	-328 to 2501°F (-200 to 1372°C)	-328 to 2501°F (-200 to 1372°C)
Type J °F (°C)	-346 to 2012°F (-210 to 1100°C)	-346 to 2012°F (-210 to 1100°C)
Basic Accuracy	±0.15% rdg	±0.15% rdg
Resolution	0.1°/1°	0.1°/1°
Datalogging	—	—
CE approved	Yes	Yes
Dimensions	8.7x2.5x1.1" (220x 63 x 28mm)	8.7x2.5x1.1" (220x 63 x 28mm)
Weight	7oz (200g)	7oz (200g)
Warranty	1 year	1 year



### TM100 Type J/K Single Input Thermometer

Side-mounted controls allow for convenient one-handed operation

- Large backlit LCD display
- Wide temperature range with 0.1°/1° resolution
- Readout in °F, °C, or K (Kelvin)
- Data Hold function freezes reading on display
- Max/Min/Avg readings with relative time stamp
- Offset key used for zero function to make relative measurements
- Auto Power off with disable feature
- Complete with general purpose Type K bead wire temperature probe and 9V battery. (Optional temperature probes available on left accessories chart and page 41)



### TM300 Type J/K Dual Input Thermometer

Dual inputs allow for calculation of differential temperature readings

- Dual inputs and displays T1, T2, T1-T2 differential, plus Min, Max, Avg
- Side-mounted controls allow for convenient one-handed operation
- Large backlit LCD display
- Wide temperature range with 0.1°/1° resolution
- Readout in °F, °C, or K (Kelvin)
- Data Hold function freezes reading on display
- Max/Min/Avg readings with relative time stamp
- Offset key used for zero function to make relative measurements
- Auto Power off with disable feature
- Complete with two Type K bead wire temperature probes, three AAA batteries, and case. (Optional temperature probes available on left accessories chart and page 41)