

Infrared Thermometers

GENERAL®

Cold or hot . . . it matters not . . . to General's extended family of point-and-shoot infrared thermometers. From our affordable VR40 and IRT105 to our Ultra-High Temperature IRT5000, there's an IRT with your name – and application – on it. Just pick a Distance-to-Spot (D:S) ratio and a temperature range and begin firing away.



VR40
3-In-1 Pocket IRT
with NCV & Flashlight
(See page 19)



IRT105
Pocket Sized IRT
(See page 19)



IRT206 & IRT207
Mid-Range IRT
(See page 19)



IRT657
Wide Range IRT with Star Burst
Laser Targeting (See page 20)



IRT659K
Dual Sensor IRT with
Star Burst Laser Targeting
(See page 20)

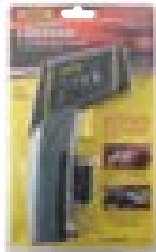


IRTC50
Energy Audit IRT/Scanner
with Star Burst Laser
Targeting (See page 20)

SPECIFICATIONS

D:S Ratio Model No.	4:1 VR40	6:1 IRT105	8:1 IRT206 & IRT207	12:1 IRT657	12:1 IRT659K	8:1 IRTC50
Name	4:1 IR Thermometer with NCV and Flashlight	6:1 Pocket Infrared Thermometer	8:1 Mid-Range Infrared Thermometer	12:1 Wide-Range Infrared Thermometer with Star Burst Laser Targeting	12:1 Infrared Thermometer with "K" Type Thermocouple and Adjustable Emissivity	8:1 Scanning IR Thermometer with Star Burst Laser Targeting
Temperature Measurement Range	-4° to 626°F (-20° to 330°C)	-22° to 482°F (-30° to 250°C)	-4° to 608°F (-20° to 320°C)	-40° to 1076°F (-40° to 580°C)	IRT: -58° to 1202°F (-50° to 650°C); "K" Port: -146° to 2498°F (-99° to 1370°C)	-40° to 428°F (-40° to 220°C)
Resolution	0.1°	0.1°	0.1°	0.1° below 1000°	12:1	0.1°
Accuracy	±3.8°F (2°C) or ±1% of reading (whichever is greater) above 32°F; ±4.5°F (2.5°C) below 32°F	±2% of reading or ±5°F/±3°C (max), whichever is greater	±2% of reading or ±3.6°F/±2°C (whichever is greater)	±3°F (2°C) or ±2% of reading	0.1°F (0.1°C) IRT: ±3°F (2°C) or ±2% of reading above 32°F (0°C); ±4°F (3°C) or ±3% of reading below 32°F; "K" type thermocouple: ±1° (F or C)	±2% of reading or ±3°F (2°C) above 32°F ±3% of reading or ±5°F (3°C) below 32°F
Emissivity	Fixed at 0.95	Adjustable from 0.1 to 1.0 in 0.01 steps	Fixed at 0.95	Fixed at 0.95	Adjustable from 0.1 to 1.0 in 0.01 steps	Fixed at 0.95
Display	Backlit LCD	Backlit LCD	Backlit LCD	Backlit LCD	Backlit LCD	Backlit LCD
Laser Power	<1mW (Class 2)*	<1mW (Class 2)*	<1mW (Class 2)*	Class 3R (<3mW)**	Yes	<3mW (Class 3R)**
Auto Power Off	Yes	Yes	Yes	Yes	Yes	Yes
Other Key Features	Non-contact voltage detector with 4 sensitivity levels, LED flashlight	Min/Max Measurement Mode Measurement Lock Mode	Data Hold	Low battery indication Over-range indication	Automatically stores last 10 readings, Displays Min/Max/Avg/Dif session values, Settable high and low temperature alarms, Star Burst Laser Targeting	Green/red/blue indication of normal/hot/cold 1°, 5° or 10°F setpoint bandwidth Data Hold
Accessories Included	(2) "AAA" batteries, User's manual, 3-year limited warranty	Wrist strap "9V" battery User's manual, 1-year limited warranty	"9V" battery User's manual, 1-year limited warranty	"9V" battery User's manual Soft carrying pouch, 1-year limited warranty	"K" type thermocouple with 0° to 500°F (-18° to 260°C) range, "9V" battery, Nylon pouch, User's manual, 1-year limited warranty	"9V" battery User's manual, 1-year limited warranty

Patent Pending



Class 3R Laser Product
Laser radiation!
Avoid direct eye exposure!

IRT657
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12:1 WIDE-RANGE INFRARED THERMOMETER WITH STAR BURST LASER TARGETING – IRT657

Ideal for isolating overheated electrical components and hot spots, troubleshooting HVAC/R and automotive systems, or performance-testing motors and boilers.

FEATURES:

- Wide measurement range of -40° to 1076°F (-40° to 580°C)
- Accuracy of $\pm 3^\circ\text{F}$ (2°C) or $\pm 5^\circ\text{F}$ (3°C), depending on temperature
- Large (1.6 in. diagonal) backlit LCD

SPECIFICATIONS:

- ♦ Distance-To-Spot (D:S) Ratio: 12:1
- ♦ Temperature Measurement Range: -40° to 1076°F (-40° to 580°C)
- ♦ Emissivity: Fixed at 0.95
- ♦ Measurement Accuracy: $\pm 3^\circ\text{F}$ (2°C) or $\pm 2\%$ of reading above 32°F (0°C); $\pm 5^\circ\text{F}$ (3°C) or $\pm 2\%$ of reading

- ♦ Display Size and Type: 1.6 in. (40.6mm) dia. LCD
- ♦ Operating Temperature: 32° to 104°F (0° to 40°C) @ $<75\%$ relative humidity (RH)
- ♦ Laser Power: $<3\text{mW}$ (Class 3R)
- ♦ Dimensions: 6.9 x 3.6 x 1.5 in. (175 x 91.5 x 38mm)
- ♦ Weight: 5.93 oz. (168g)
- ♦ Power Source: 1 "9V" battery (included)

INCLUDES:

- Carrying Case • Battery • User's Manual
- 1-Year Limited Warranty

UPC	NO.
01480 6	IRT657

12:1 DUAL SENSOR INFRARED THERMOMETER WITH "K" TYPE THERMOCOUPLE & ADJUSTABLE EMISSIVITY – IRT659K

Ideal for isolating overheated electrical components and hot spots, troubleshooting HVAC/R and automotive systems, and performance-testing motors and boilers.

FEATURES:

- Automatically holds measurements
- Automatically stores last 10 readings for recall
- Displays Min/Max/Avg/Dif temperatures
- Settable high and low temperature alarms
- $^\circ\text{C}/^\circ\text{F}$ and laser pointer on/off switches

SPECIFICATIONS:

- ♦ Distance-to-Spot (D:S) Ratio: 12:1
- ♦ IR Temperature Measurement Range: -58° to 1202°F (-50° to 650°C)
- ♦ IR Temperature Measurement Accuracy: $\pm 3^\circ\text{F}$ (2°C) or $\pm 2\%$ of reading
- ♦ "K" Port Measurement Range: -146° to 2498°F (-99° to 1370°C)
- ♦ Included "K" Type Thermocouple Range/Accuracy: 0° to 500°F (-18° to 260°C)/ $\pm 1^\circ$ (F or C)
- ♦ Display Resolution: 1° (F or C)

- ♦ Emissivity: Adjustable from 0.1 to 1.0
- ♦ Display: 1.5 in. (38mm) diagonal backlit LCD
- ♦ Response Time: 500 ms
- ♦ Laser Power: Class II ($<3\text{mW}$)
- ♦ Operating Temperature: 32° to 104°F (0° to 40°C) @ 10 to 75% RH, non-condensing
- ♦ Auto Power Off Trigger: 30 seconds of inactivity
- ♦ Dimensions: 5.31 x 1.65 x 6.81 in. (135 x 42 x 173mm)
- ♦ Weight: 6.93 oz. (168g) (without battery)
- ♦ Power Source: (1) "9V" battery (included)

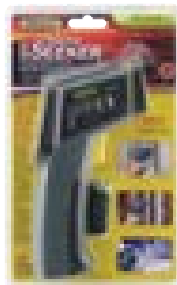
INCLUDES:

- "K" type thermocouple probe
- Soft carrying case • Battery • User's manual
- 1-Year Limited Warranty

UPC	NO.
01598 8	IRT659K

IRT659K
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CE
RoHS



8:1 ENERGY AUDIT INFRARED THERMOMETER/SCANNER WITH STAR BURST LASER TARGETING – IRTC50

Ideal for energy auditors, building inspectors, HVAC technicians, electricians, manufacturing technicians, food processing inspectors and homeowners.

FEATURES:

- Set-point band options of 1° , 5° and 10°F (0.5° , 3° , 5.5°C)
- Red or blue light and fast or slow buzzer signal when the target temperature is above or below the reference temperature $\pm$ the set-point
- Fast response time of 0.5 seconds
- Unique Star Burst laser targeting system helps approximate the target spot size
- Large backlit LCD
- Automatic temperature "hold" when the trigger is released
- Display and backlight turn off after 15 seconds of inactivity
- Auto-power off after 60 seconds of inactivity
- CE and ROHS approved

SPECIFICATIONS:

- ♦ Distance to Spot Ratio: 8:1
- ♦ Measurement Range: -40° to 428°F (-40° to 220°C)

- ♦ Measurement Accuracy: $\pm 4^\circ\text{F}/^\circ\text{C}$ or $\pm 2\%$ of reading
- ♦ Resolution: 1°F (0.5°C)
- ♦ Emissivity: Fixed at 0.95
- ♦ Response Time: 0.5 seconds
- ♦ Operating Temperature: 32° to 104°F (0° to 40°C)
- ♦ Storage Temperature: -20° to 122°F (-29° to 50°C)
- ♦ Operating Humidity: 10 to 90%
- ♦ Dimensions: 5.31 x 1.65 x 6.81 in. (135 x 42 x 173mm)
- ♦ Weight: 6.24 oz. (117g) without battery
- ♦ Power Source: 1 "9V" battery (included)

INCLUDES:

- Battery • User's manual
- 1-Year Limited Warranty

UPC	NO.
01442 4	IRTC50

IRTC50
Patent Pending