

Infrared Thermometers

50:1 DATA LOGGING ULTRA WIDE-RANGE INFRARED THERMOMETER WITH "K" PORT – IRT500DL

Range and D:S ratio make this IRT suitable for use in superheated and subcooled applications.

FEATURES:

- Very wide temperature measurement range and very high D:S ratio
- Data logging capability via included PC software and USB jack and cable
- 10-reading memory
- Min/Max/Avg/Dif displays
- Settable Hi and Lo temperature audible alarms
- °C/°F and laser on/off switches
- Tripod mountable

SPECIFICATIONS:

- ♦ Temperature Measurement Range: -58° to 1832°F (-50° to 1000°C)
- ♦ Measurement Accuracy: ±5.4°F (3°C) from -58° to -4°F (-50° to -20°C); ±3.8°F (2°C) from

- 4° to 212°F (-20° to 100°C); ±2% of reading from 212° to 1832°F (100° to 1000°C)
- ♦ Measurement Resolution: 0.1°F (0.1°C)
- ♦ Emissivity: Adjustable from 0.1 to 1.0
- ♦ Laser Power: <1mW (Class 2)
- ♦ Dimensions: 5.0 x 1.9 x 7.9 in. (127 x 47 x 200mm)
- ♦ Power Source: (1) "9V" battery (included)

INCLUDES:

- Data Logging Software • USB cable
- "K" Type Thermocouple • Hard Case • Battery
- User's Manual • 1-Year Limited Warranty

UPC	NO.
52046 0	IRT500DL

Optional "K" type probes: See pp. I-44 – 45



CE
RoHS

IRT500DL
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Laser radiation!
Do not stare into beam!

12:1 WIDE-RANGE INFRARED THERMOMETER – IRT650

Suitable for most HVAC/R and automotive applications.

FEATURES:

- Sighting laser can be turned off
- Large 4-digit backlit LCD
- Selectable temperature unit
- Fast response time
- Auto power off
- CE, RoHS, WEEE approved

SPECIFICATIONS:

- ♦ Distance to Spot (D:S) Ratio: 12:1
- ♦ Measurement Range: -25° to 999°F (-32° to 535°C)
- ♦ Measurement Accuracy: ±5°F (±3°C) from -25° to -4°F (-32° to -20°C); ±3°F (±2°C) from -4° to 212°F (-20° to 100°C); ±2% from 212° to 999°F (100° to 535°C)
- ♦ Resolution: 0.1°F (0.1°C)

- ♦ Emissivity: Fixed at 0.95
- ♦ Response Time: 0.5 seconds
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C) @10 to 90%RH
- ♦ Laser Power: <1mW (Class 2)
- ♦ Battery Life: 16 hours
- ♦ Dimensions: 6.69 x 5.23 x 1.77 in. (170 x 133 x 45mm)
- ♦ Weight: 5.8 oz. (163g)
- ♦ Power Source: 1 "9V" battery (included)

INCLUDES:

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

UPC	NO.
40650 2	IRT650



CE
RoHS

IRT650

Laser radiation!
Do not stare into beam!

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:

- Setpoint band options of 1°, 5° and 10° (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 ± the setpoint
- Unique Star Burst laser targeting system helps approximate the target spot size
- Large backlit LCD
- Releasing trigger holds reading
- 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: ±4°F/C or ±2% of reading above 32°F (0°C); ±3°F/C or ±3% of reading below 32°F (0°C)
- ♦ Display Resolution: 0.1° (F or C)
- ♦ Emissivity: Fixed at 0.95
- ♦ Response Time: 0.5 seconds
- ♦ Operating Temperature: 32° to 104°F (0° to 40°C) @ <90%RH
- ♦ Laser Power: <3mW (Class 3R)
- ♦ 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



Patent Pending

CE
RoHS

IRTC50
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Class 3R Laser Product
Laser radiation!
Avoid direct eye exposure!