

GENERAL[®]

Ultra Wide-range IR Thermometer with "K" Port

Ideal for measuring high temperatures safely — from a distance. Industrial applications include operation and maintenance of furnaces and heat exchangers.

50:1 D:S

Features:

- Extremely wide measurement range
- Adjustable emissivity
- Dual targeting lasers
- Port for optional "K" type thermocouple for making contact surface temperature measurements
- Releasing trigger holds measurement
- Measurement Lock mode eliminates need to squeeze trigger to take readings
- Stores/recalls 24 data sets (measured temperature + emissivity setting)
- Min/Max/Avg/Dif displays
- Adjustable Hi and Lo temperature alarm setpoints
- Large backlit dual readout LCD
- White LED flashlight
- Auto power off
- °C/°F, lasers and flashlight on/off, and backlight on/off buttons
- Battery charge indicator
- Tripod mount
- CE approved



*** "K" Port for
Optional Probe**

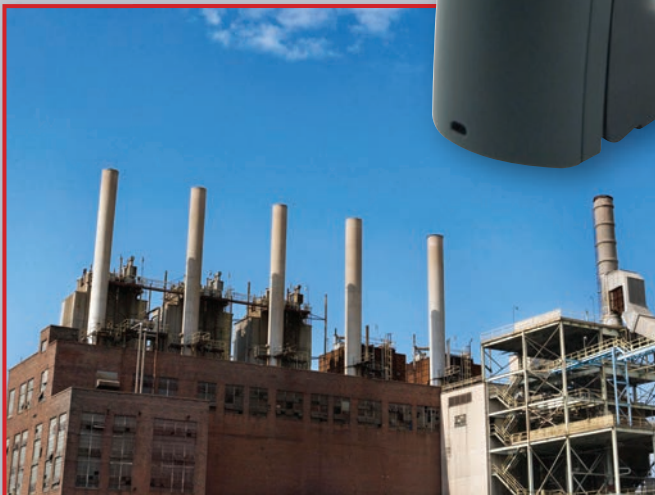
*** Adjustable
Emissivity**

IR Range = -76° to 2732°F (-60° to 1500°C)
K (TC) Range = -83° to 2552°F (-64° to 1400°C)

Laser radiation!
Do not stare into beam!



No. IRT850K



Industrial site inspection



Ultra Wide-range IR Thermometer with "K" Port

Specifications:

IRT Distance to Spot (D:S) Ratio: 50:1

IRT Emissivity: Adjustable from 0.1 to 1.0 in 0.01 steps with default of 0.95

IRT Measurement Range:
-76° to 2732°F (-60° to 1500°C)

IRT Measurement Accuracy:
±1.8°F (1.0°C) from 59° to 95°F (15° to 35°C) @ Tamb of 77°F (25°C); ±(2% of reading or 3.6°F (2°C)), whichever is greater, from -27° to 59°F (-33° to 15°C) and from 95° to 2732°F (35° to 1500°C) @ Tamb of 73.4° ± 5.4°F (23° ± 3°C)

IRT/"K" Port Measurement Resolution:
0.1° (F or C) below 1000°; 1° at and above 1000°

"K" Port Measurement Range:
-83° to 2552°F (-64° to 1400°C)

"K" Port Measurement Accuracy:
±(2% of reading + 3.6°F/2°C) or ±5.4°F (3°C), whichever is greater, @ Tamb of 73.4° ± 10.8°F (23° ± 6°C)

Display Type/Size: 2 in. (51mm) diagonal backlit LCD with 0.5 in. (13mm) high digits on temperature readout

Response Time: <1 second

Laser Power: <1mW (Class 2) @ wavelength of 635 to 660nm

Operating Temperature:
32° to 122°F (0° to 50°C)

Auto Power Off Trigger:
60 seconds of front-panel inactivity in IRT mode; ; 12 minutes of front-panel inactivity in "K" port mode

Dimensions: 7.99 x 7.76 x 1.85 in. (203 x 197 x 47mm)

Weight (including batteries):
13.6 oz. (386g)

Power Source: 2 "AAA" batteries (not included)

Battery Life:
180 hours (typical) of continuous use with lasers and backlight off

Includes:

Hard Plastic Protective Case, User's Manual, 1 Year Limited Warranty



Power generation and transmission, and maintenance



Fire fighting operations



Foundry operations



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