

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.

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

50:1 D:S



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

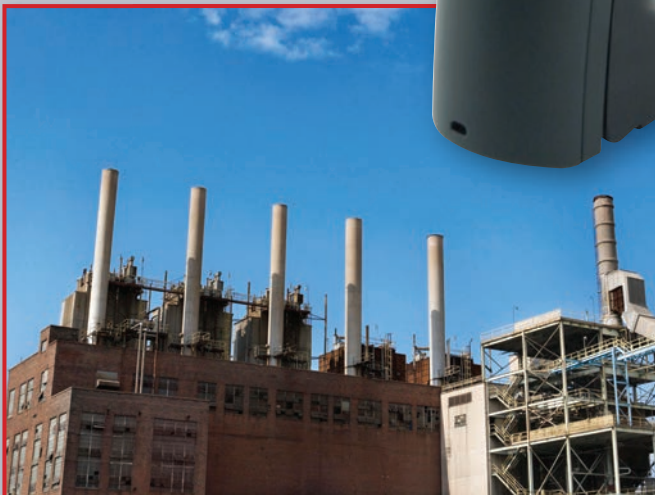
*** Adjustable
Emissivity**

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!

CE

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:
 $\pm 1.8^{\circ}\text{F}$ (1.0°C) from 59° to 95°F (15° to 35°C) @ Tamb
of 77°F (25°C); $\pm(2\%$ 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 $73.4^{\circ} \pm 5.4^{\circ}\text{F}$ ($23^{\circ} \pm 3^{\circ}\text{C}$)

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:
 $\pm(2\%$ of reading + $3.6^{\circ}\text{F}/2^{\circ}\text{C}$) or
 $\pm 5.4^{\circ}\text{F}$ (3°C), whichever is greater,
@ Tamb of $73.4^{\circ} \pm 10.8^{\circ}\text{F}$ ($23^{\circ} \pm 6^{\circ}\text{C}$)

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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