

InfraRed Thermometer IRT-1003KI

APPLICATIONS & FEATURES

This device offers non-contact (infrared) temperature measurements capability. The built-in laser pointer increases target accuracy while the backlight LCD and handy push-buttons combine for convenient, ergonomic operation. Type K thermocouple functionality is also built-in. Proper use and care of this meter will provide years of reliable service.

FEATURES:

- Precise non-contact temperature measurement
- Type K temperature Measurement
- Unique flat surface, modern housing design
- Built-in laser pointer
- Automatic Data Hold
- Automatic Power Off
- Unit switch
- Emissivity Digitally adjustable from 0.10 to 1.0
- MAX, MIN, DIF, AVG record
- LCD with Backlight
- Automatic range selection
- Resolution 0.1°C(0.1°F)
- Trigger lock
- High and Low alarm
- Obtain Emissivity
- Wireless USB Interface (RF 433MHz)

WIDE RANGE APPLICATION:

Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen printing, measure ink and Dryer temperature, HVAC/R, Diesel and Fleet maintenance.

IRT1003 comes with following accessories:

- K-type probe
- 9 Volt battery
- Hard Case
- Table Tripod.
- Wireless USB Interface
- Software for Windows®



TK measurement:		
TK Temperature range	-50 to 1370 °C (-58 to 2498 °F)	
Resolution	-50 to 1370 °C	0.1 °C
	- 58 to 1999°F	0.1°F
	2000 to 2498°F	1°F
Accuracy	-50 to 1000 °C	± 1.5% of reading +3°C(±5°F)
	1000 to 1370 °C	±1.5%of reading +2°C(±3.6°F)

IR Measurement:	
IR Temperature range	-50 to 1050 °C (-58 to 1922°F)
D: S	30:1
Resolution	0.1 °C (0.1°F)

Accuracy	-50 to -20°C(-58 to -4°F):	±5 °C (±9°F)
	-20 to 200°C(-4 to 392°F):	± 1.5% of reading + 2°C(±3.6°F);
	200 to 538°C (392 to 1000°F):	± 2.0% of reading +2°C(±3.6°F);
	538 to 1050°C(1000 to 1922°F):	± 3.5% of reading ± 5°C(±9°F)

Response time	less than 1 second
Spectral response	8~14 μm
Emissivity	Digitally adjustable from 0.10 to 1.0
Over range indication	LCD will show “-OL”, “OL”
Polarity	Automatic (no indication for positive polarity); Minus (-) sign for negative polarity
Diode laser	output <1mW, Wavelength 630~670nm, Class 2(II) laser product
Operating temp.	0 to 50°C(32 to 122°F)
Storage temp.	-20 to 60°C (-4 to 140°F)
Relative humidity	10%~90%RH operating, <80%RH storage
Power supply	9V battery, NEDA 1604A or IEC 6LR61, or equivalent
Weight	290g (10.2 oz.)
Size	100 x 56 x 230mm (3.9 x 2.2 x 9.0")

