

*LED target light, + type K thermometer, 2 in 1*

# **INFRARED THERMOMETER**

**Model : TM-960**

*ISO-9001, CE, IEC1010*



*LED target light,  
+ type K thermometer, 2 in 1  
INFRARED THERMOMETER*

**Model : TM-960**

- \* IR Temp. range : -30 °C to 305 °C .
- \* Type K Temp. range :  
-200 °C to 1370 °C .
- \* Mini pocket type.
- \* High intensity LED target light, safety.
- \* Display resolution :  
IR Temp. : 0.5 degree .  
Type K Temp. ( °C ) :  
0.1 degree ( < 1,000 degree ) .  
1 degree ( ≥ 1,000 degree ) .
- \* °C, °F internal select with default.
- \* IR function with automatic display hold.
- \* Optional type K temperature probes :  
TP-01, TP-02A, TP-03, TP-04, TP-05.
- \* DC 9V battery ( 006P ) .

**Lutron**

**LUTRON ELECTRONIC**



*The Art of Measurement*

**LED TARGET LIGHT, + type K thermometer, 2 in 1**

# INFRARED THERMOMETER

**Model : TM-960**

**FEATURES**

* 2 in 1, Infrared thermometer + Type K thermometer.
* Infrared thermometer, non-contact temperature measurement.
* IR Temp. range : -30 °C to 305 °C.
* Type K Temp. range : -200 °C to 1370 °C.
* Mini pocket type.
* High intensity LED target light for IR thermometer, safety.
* Display resolution : IR Temp. : 0.5 degree . Type K Temp. ( °C ) : 0.1 degree ( < 1,000 degree ), 1 degree ( 1,000 degree ).
* °C, °F internal select with default.
* IR thermometer with fix 0.95 default emissivity value.
* IR thermometer with automatic display hold.
* IR thermometer with safety red LED target guide.
* IR thermometer with auto power shut off saves battery life.
* Microcomputer circuit with high performance.
* Back light LCD display.
* Built-in low battery indicator.
* Compact housing case with stand.
* Operates from 006P DC 9V battery.
* Optional type K temperature probes : TP-01, TP-02A, TP-03, TP-04, TP-05.

Sampling Time	Approx. 0.6 second.
Accuracy	± 3 % of reading or ± 3 °C ( 5 °F ), which ever is greater. * Meter operating temp. is within 23 ± 5 °C and the emissivity value of measurement target is set to 0.95. * Spec. is tested under the 20 cm dia. black body, the measuring distance between the probe sensing head and the target is 30 cm.
Temp. Sensor	Thermocouple pie.
Measurement Wave length Region	6 to 12 micro meter.
Distance Factor	D/S : Approx. 7:1. D - Distance, S - Spot.
Hold and Auto Power Off function	After release the operation switch, display will hold the last measuring value for 10 seconds continuously.
Over Indication	≥ 305 °C, display will show 305 °C and flashing. ≤ -30 °C, display will show -30 °C and flashing.
Power Consumption	Approx. DC 9 mA. * Both LED target and LCD back light ON.

**GENERAL SPECIFICATIONS**

Display	LCD, 29 mm x 33 mm. * Back Light.
Power Supply	DC 9V battery, 006P, MN1604 ( PP3 ) or equivalent, heavy duty or Alkaline.
Operating Temperature	0 to 50 °C ( 32 to 122 °F ).
Operating Humidity	Less than 80% RH.
Weight	140 g/0.3 LB ( without battery ).
Dimension	160 x 92 x 45 mm. ( 6.3 x 3.6 x 1.8 inch ).
Standard Accessory	Operational manual.....1 PC.
Optional Accessories	* Type K thermocouple probe. TP-01, TP-02A. TP-03, TP-04

**ELECTRICAL SPECIFICATIONS FOR IR THERMOMETER**

Measurement Range	-30 to 305 °C ( -22 to 581 °F ),
Resolution	0.5 °C/0.5 °F.
Circuit	Exclusive microcomputer circuit.
Emissivity	0.95 default emissivity value.
Target Guide	Safety red LED Light.

**ELECTRICAL SPECIFICATIONS OF TYPE K THERMOMETER**

Display Unit	°C, °F.
Resolution	0.1 °C, 0.1 °F.
Thermocouple type	Type K.
Temperature Compensation	Automatic temp. compensation for the cold junction both type K/J thermometer
Linear Compensation	Linear Compensation for the full range.
Probe Input Socket	Standard 2 pin thermocouple socket.
Over Indication	Show " - - - - ".
Sampling Time of display	Approx. 1 second.
Power off	Manual off by push button.
Power Current	Approx. DC 7 mA * LCD back light off.

Resolution	Range	Accuracy
0.1 °C	-50.0 to 1300.0 °C	± ( 0.5 % + 1 °C )
	-50.1 to -199.9 °C	± ( 0.5 % + 1.2 °C )
0.1 °F	-58.0 to 2372.0 °F	± ( 0.5 % + 1.8 °F )
	-58.1 to -327.8 °F	± ( 0.5 % + 2.2 °F )

\* Appearance and specifications listed in this brochure are subject to change without notice.