

*Dual laser targeting, + type K thermometer*

# 1,000 °C INFRARED THERMOMETER

**Model : TM-969**

***ISO-9001, CE, IEC1010***



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

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#### FEATURES

- \* None contact infrared temperature measurement up to 1,000 °C measurement.
- \* Type K thermocouple thermometer, up to 1400 °C measurement.
- \* Dual laser for better targeting.
- \* Large LCD display with back light.
- \* D/S ratio value : 50/1.
- \* Min., Max., Differential, Average, Lock mode.
- \* Last measurement memory.
- \* Hi/Lo Temperature Audio Alarm.
- \* Laser target and Back light On/Off control.
- \* Adjustable emissivity value from 0.1 to 1.00.
- \* Preset emissivity value at 0.95.
- \* Power supply by two AAA batteries, long life.

#### GENERAL SPECIFICATIONS

Display	LCD, 31 mm x 43 mm.	Measurement	8 to 14 micro meter.
Functions	<ul style="list-style-type: none"> <li>* °C, °F.</li> <li>* Min., Max., Differential, Average.</li> <li>* Lock mode.</li> <li>* Auto power off.</li> <li>* LCD back light.</li> <li>* Emissivity adjustment.</li> </ul>	Wave length Region	
IR Measurement Range	-60 to 1000 °C ( -76 to 1832 °F ).	Distance Factor	D/S : Approx. 50:1 ( typical 25:1 ). D - Distance, S - Spot.  * <i>Distance to spot using 90% encircled energy at focal point.</i>
IR Accuracy	<ul style="list-style-type: none"> <li>± 1 °C ( 1.8 °F )</li> <li>* <i>Object Temp. = 15 to 35 °C</i></li> <li>* <i>Ambient Temp. = 25 °C</i></li> <li>± 2 % of reading or ± 2 °C ( ± 4 °F ). whichever is greater.</li> <li>* <i>Object Temp. = -33 to 1000 °C</i></li> <li>* <i>Ambient Temp. = 23 ± 3 °C</i></li> </ul>	Target Guide	<ul style="list-style-type: none"> <li>* Two laser target guide.</li> <li>* Less than 1 mW.</li> <li>* Class 2 red laser diode. Wave length is 645 nm approximately.</li> </ul>
Type K Thermometer Range	-64 to 1400 °C ( -83.2 to 2552 °F ).	Sampling Time	Approx. 0.7 second.
		Power Supply	DC 1.5V AAA ( UM-4 ) battery x 2 PCs, heavy duty or Alkaline.
		Power Consumption	without target light on : <i>Approx. DC 1.5 mA.</i> with target light on : <i>Approx. DC 29.5 mA.</i>
Type K Thermometer Accuracy	<ul style="list-style-type: none"> <li>± 1 % of reading or ± 1 °C ( ± 1.8 °F ),</li> <li>* Test under T ambient = 23 ± 5 °C</li> </ul>	Operating Temperature	0 to 50 °C ( 32 to 122 °F ).
Resolution	0.1 °C / 0.1 °F.    < 1,000 °C / < 1,000 °F 1 °C / 1 °F.        ≥ 1,000 °C / ≥ 1,000 °F	Operating Humidity	Less than 80% RH.
Circuit	Exclusive microcomputer circuit.	Dimension	203 x 197 x 47 mm ( 8.0 x 7.7 x 1.8 inch )
Emissivity Adjustment	Adjustment range : 0.10 to 1.00, step 0.01. * 0.95 default emissivity value.	Standard Accessories	Operational manual..... 1 PC. Hard carrying case..... 1 PC. 2 PC.
IR Temp. Sensor	Thermocouple pie.		

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

1502-TM969