

*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***

## Dual laser targeting, + type K thermometer

# 1,000 °C INFRARED THERMOMETER

Model : TM-969

| 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  | * °C, °F.                                   |                       | Wave length   | Region  |   |
|  | * Min., Max., Differential, Average.        |                       | Distance Factor   |   | D/S : Approx. 50:1 ( typical 25:1 ).<br>D - Distance, S - Spot. |
| IR Measurement Range   | * Lock mode.                                |                       |   | * Distance to spot using 90% encircled energy at focal point. |   |
|  | * Auto power off.                           |                       | Target Guide  | * Two laser target guide.                                     |   |
| * LCD back light.  |   | * Less than 1 mW.     |   |   |   |
| * Emissivity adjustment.                                     |   | Sampling Time         | * Class 2 red laser diode. Wave length is 645 nm approximately. |   |   |
| -60 to 1000 °C ( -76 to 1832 °F ).                           |   |                       | Approx. 0.7 second.   |   |   |
| IR Accuracy  | ± 1 °C ( 1.8 °F )                           |                       | Power Supply  | DC 1.5V AAA ( UM-4 ) battery x 2 PCs, heavy duty or Alkaline. |   |
|  | * Object Temp. = 15 to 35 °C                |                       |   | without target light on :<br>Approx. DC 1.5 mA.               |   |
| * Ambient Temp. = 25 °C                                      |   | Power Consumption     | with target light on :<br>Approx. DC 29.5 mA.                   |   |   |
| ± 2 % of reading or ± 2 °C ( ± 4 °F ). whichever is greater. |   |                       | Operating Temperature   |   |   |
| Type K Thermometer Range                                     | * Object Temp. = -33 to 1000 °C             |                       | 0 to 50 °C ( 32 to 122 °F ).                                    |   |   |
|  | * Ambient Temp. = 23 ± 3 °C                 |                       | Operating Humidity  |   |   |
| Type K Thermometer Accuracy                                  | -64 to 1400 °C ( -83.2 to 2552 °F ).        |                       | Less than 80% RH.   |   |   |
|  | ± 1 % of reading or ± 1 °C ( ± 1.8 °F ),    |                       | Weight  | 386 g/0.85 LB.  |   |
| * Test under T ambient = 23 ± 5 °C                           |   | Dimension             |   |   |   |
| Resolution   | 0.1 °C/0.1 °F.                              | < 1,000 °C/< 1,000 °F | 203 x 197 x 47 mm<br>( 8.0 x 7.7 x 1.8 inch )                   |   |   |
|  | 1 °C/1 °F.                                  | ≥ 1,000 °C/≥ 1,000 °F | Standard Accessories  |   |   |
| Circuit  | Exclusive microcomputer circuit.            |                       | Operational manual..... 1 PC.                                   |   |   |
| Emissivity Adjustment  | Adjustment range : 0.10 to 1.00, step 0.01. |                       | Hard carrying case..... 1 PC.                                   |   |   |
|  | * 0.95 default emissivity value.            |                       | IR Temp. Sensor   |   |   |
| IR Temp. Sensor  | Thermocouple pie.                           |                       | 2 PC.   |   |   |

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

1502-TM969