

Dual laser targeting, + type K thermometer

# 1,000 °C INFRARED THERMOMETER

Model : TM-969

ISO-9001, CE, IEC1010

[www.yalab.com.tw](http://www.yalab.com.tw)

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***The Art of Measurement***

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## 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. * Min., Max., Differential, Average. * Lock mode. * Auto power off. * LCD back light. * Emissivity adjustment.		Wave length	Region
			Distance Factor	
IR Measurement Range	-60 to 1000 °C ( -76 to 1832 °F ).		Target Guide	* Two laser target guide. * Less than 1 mW. * Class 2 red laser diode. Wave length is 645 nm approximately.
IR Accuracy	± 1 °C ( 1.8 °F ) * Object Temp. = 15 to 35 °C * Ambient Temp. = 25 °C		Sampling Time	Approx. 0.7 second.
	±2 % of reading or ±2 °C ( ± 4 °F ), whichever is greater. * Object Temp. = -33 to 1000 °C * Ambient Temp. = 23 ± 3 °C		Power Supply	DC 1.5V AAA ( UM-4 ) battery x 2 PCs, heavy duty or Alkaline.
Type K Thermometer Range	-64 to 1400 °C ( -83.2 to 2552 °F ).		Power Consumption	without target light on : Approx. DC 1.5 mA.
				with target light on : Approx. DC 29.5 mA.
Type K Thermometer Accuracy	±1 % of reading or ±1 °C ( ± 1.8 °F ), * Test under T ambient = 23 ± 5 °C		Operating Temperature	0 to 50 °C (32 to 122 °F).
			Operating Humidity	Less than 80% RH.
Resolution	0.1 °C/0.1 °F.	< 1,000 °C / < 1,000 °F	Weight	386 g/0.85 LB.
	1 °C/1 °F.	≥ 1,000 °C / ≥ 1,000 °F		
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.
IR Temp. Sensor	Thermocouple pie.			2 PC.

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

TM969+1502