

*Seperate probe*

# INFRARED THERMOMETER

Model : TM-908

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

**The Art of Measurement**

## separate probe

# NON-CONTACT INFRARED THERMOMETER

Model : TM-908

FEATURES	
* Non-contact temperature measurement, wide range from - 10 °C to 300 °C (14 °F to 572 °F), wide temperature measuring for general applications.	* Super large LCD display, easy readout.
* 0.1 °C/0.1 °F resolution.	* Heavy duty & compact housing case.
* °C, °F display unit, select by front push button.	* Records Maximum and Minimum reading with RECALL.
* Emissivity adjustment from 0.1 0 to 0.95,	* Data hold.
* A factory preset emissivity value to 0.95, which will cover 90% of a typical application.	* Auto shut off saves battery life.
* Microprocessor circuit assures maximum possible accuracy, provides special functions & features.	* Operates from 006P DC 9V battery.
* Separate probe, easy operation. & remote measurement.	* Build the RS 232 serial interface output. If the meter connect the Personal Computer via the RS-232 cable & install the software, then whole system will be used as the "DATA LOGGER", "DATA RECORDER" or other kinds modern temperature measuring system.

GENERAL SPECIFICATIONS				
Circuit	Custom one-chip of micro-processor LSI circuit.		Memory Recall	Records maximum and minimum readings with RECALL.
Display	13 mm(0.5") Super large LCD.			
Resolution/ ranges	1°C	-10 °C to 300 °C	Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).
	1°F	14 °F to 572 °F	Operating Humidity	Less than 80% RH.
	0.1°C	-10.0 °C to 110.0 °C		
	0.1°F	14.0 °F to 230.0 °F	Power Supply	006P DC 9V battery (Heavy Duty Type) or equivalent.
Accuracy	± 2 % of reading or ± 2°C ( 3 °F), which ever is greater. * Within 23± 5 °C ambient operating temp. & a known blackbody emissivity).		Power Current	Approx. DC 4.8 mA.
			Weight	370 g/0.82 LB.
			Dimension	Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch). Sensor probe : 148 x 36 x 36 mm .
Emissivity Setting	0.10 to 0.95, A factory preset emissivity value to 0.95, which will cover 90% of atypical application.		Accessories included	Instruction manual.....1 PC. IR Sensor probe.....1 PC. Carrying Case.....1 PC.
Temp. Sensor	Thermocouple pie.		Optional	RS-232 cable, Model : UPCB-01 USB cable, Model : USB-01 Application Software, SW-U801-WIN
Measurement Wave length Region	6 to 12 micro meter.			
Distance Factor	D/S : Approx. 7:1. D - Distance, S - Spot.			
Sampling Time	Approx. 1 sec.			
Data Output	RS 232 PC serial interface.			

OPERATIONAL ACCESSORIES	
RS-232 cable, Model : UPCB-01	RS232 cable, used for connecting the IR Thermometer & the Personal computer ( com port )
USB cable, Model : USB-01	USB cable, used for connecting the IR Thermometer & the Personal computer ( usb port ).
Application Software SW-U801-WIN	After setup whole hardware (IR thermometer + RS-232 cable/USB cable + Personal Computer + the software (SW-U801-WIN), the whole system can execute as a data logger, data record. Data can be retrieved for EXCEL.

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

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