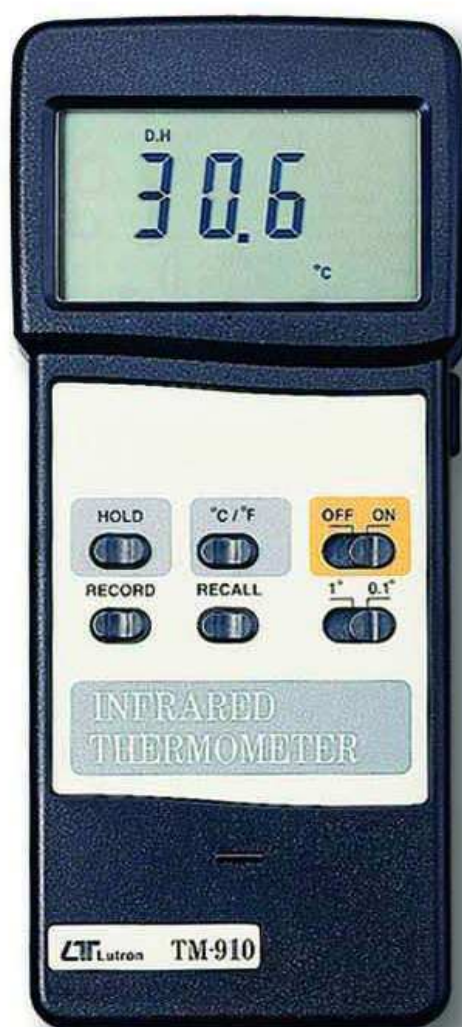


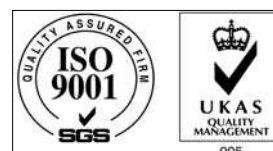
NARROW SPOT INFRARED THERMOMETER

Model : TM-910

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC



The Art of Measurement

seperate probe

NARROW SPOT INFRARED THERMOMETER

Model : TM-910

FEATURES	
* Useful instrument to measure the surface temperature of small size & narrow spot target, such as IC, transistor, coil, transformer...	* Separate probe, easy operation. & remote measurement.
* 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 value can adjust from 0.10 to 0.95. A factory preset emissivity value to 0.95, which will cover 90% of a typical application.	* Data hold.
* Microprocessor circuit assures max. possible accuracy, provides special functions & features.	* Operates from 006P DC 9V battery.
	* Build the RS232 serial interface output. If the meter connect the Personal Computer via the RS232 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			
Applications	Useful instrument to measure the surface temperature of small size target, such as IC, transistor, coil, transformer...	Sampling Time	Approx. 1 sec.
Circuit	Custom one-chip of micro-processor LSI circuit.	Memory Recall	Records maximum and minimum readings with recall.
Display	LCD, 13 mm (0.5") digit size.	Data Output	RS232 serial PC interface.
Resolution/ ranges	1°C -10 °C to 300 °C 1°F 14 °F to 572 °F 0.1°C -10.0 °C to 110.0 °C 0.1°F 14.0 °F to 230.0 °F	Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).
Accuracy	± 2 % of reading or ± 2°C (3 °F), which ever is greater. * Within 23± 5 °C ambient operating temp. & a known blackbody emissivity).	Operating Humidity	Less than 80% RH.
Measuring Distance	Approx. 10 mm (0.4 inch) below the probe head.	Power Supply	Heavy duty or Alkaline type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.
Emissivity Setting	0.10 to 0.95, A factory preset emissivity value to 0.95, which will cover 90% of a typical application.	Power Current	Approx. DC 4.8 mA.
Temp. Sensor	Thermocouple pie.	Weight	370 g/0.82 LB.
Measurement	6 to 12 micro meter.	Dimension	<i>Main instrument:</i> 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch). <i>Sensor probe :</i> 148 x 36 x 36 mm .
Wave length Region		Accessories included	Instruction manual..... 1 PC. IR Sensor probe..... 1 PC. Carrying Case..... 1 PC.
Distance Factor	D/S : 10 : 1. D - Distance, S - Spot.	Optional	RS232 cable, Model : UPCB-01 USB cable, Model : USB-01 Application Software, SW-U801-WIN

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 Model : SW-U801-WIN	* Application software is available for WIN 98, 2000, XP. * Setup the hardware (IR thermometer + RS232 cable/USB cable + Personal Computer + the software/SW-U801-WIN), the whole system can execute as a data logger, data recorder... . Data can be retrieved for EXCEL...

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