Mini pocket type, Emissivity adj., LED target light

INFRARED THERMOMETER

Model : TM-959   *ISO-9001, CE, IEC1010*

Diameter of spot

mm	50	75	100	125	150
inch	2	3	4	5	6

mm	330	500	670	840	1000
inch	13	20	26.4	33	40

Distance to object

LUTRON ELECTRONIC

The Art of Measurement

LED Target Light

INFRARED THERMOMETER
Model : TM-959

FEATURES	
* Infrared thermometer, non-contact temperature measurement, -30 to 300 ℃ (-22 to 572 ℉), precision for none contact temperature measurement.	* Emissivity value can adjust from 0.2 to 1.00.
	* Back light LCD display.
	* LCD display both temperature and the emissivity value.
* Microcomputer circuit with high performance.	* Safety red LED target guide.
* Wide temperature measuring range.	* 0.5 degree display resolution.
* Measurement via one operation button, easy to operate.	* Auto power shut off saves battery life.
	* Built-in low battery indicator.
* Build in ℃ & ℉ select switch.	* Compact housing case with stand.
* Automatic data hold.	* Operates from 006P DC 9V battery.
* 0.95 default emissivity value.	

GENERAL SPECIFICATIONS			
Display	LCD, 29 mm x 33 mm. * Main display to show temp. value. * Lower display to show emissivity value. * Back Light.	Sampling Time	Approx. 0.6 second.
		Hold and Auto Power Off function	After release the operation switch, display will hold the last measuring value within 5 seconds continuously.
Functions	℃ , ℉ , Auto data hold, Auto power off, Auto LCD back light, Emissivity adjustment.	Power Supply	DC 9V battery, 006P, MN1604 (PP3) or equivalent, heavy duty or Alkaline.
		Power Consumption	with LED target light out : *Approx. DC 12 mA.*
			with LED target light out : *Approx. DC 24 mA.*
Measurement Range	-30 to 300 ℃ (-22 to 572 ℉),	Operating Temperature	0 to 50 ℃ (32 to 122 ℉).
Resolution	0.5 ℃ /0.5 ℉.		
Circuit	Exclusive microcomputer circuit.	Operating Humidity	Less than 80% RH.
Emissivity	Adjustment range : 0.20 to 1.00.		
Adjustment	* 0.95 default emissivity value.	Weight	140 g/0.3 LB (without battery).
Target Guide	Safety red LED Light.	Dimension	160 x 92 x 45 mm (6.3 x 3.6 x 1.8 inch).
Over Indication	≧ 305 ℃, display will show 350 ℃ and flashed. ≦ -30 ℃, display will show -30 ℃ and flashed.	Standard Accessory	Operational manual..... 1 PC.

ELECTRICAL SPECIFICATIONS			
Measurement Range	-30 to 300 ℃ (-22 to 572 ℉),	Temp. Sensor	Thermocouple pie.
Resolution	0.5 ℃ /0.5 ℉.	Emissivity Setting	* By push button. Setting range : 0.20 to 1.00.
Accuracy	± 3 % of reading or ± 3 ℃ (5 ℉), which ever is greater. * *Meter operating temp. within 23± 5 ℃ and the emissivity value of measurement target set to 0.95.* * *Spec. tested under the 20 cm dia. black body, the measuring distance from the probe sensing Head is 30 cm.*		* The default emissivity value is 0.95, which will cover 90% of a typical application.
		Measurement Wave length Region	6 to 12 micro meter.
		Distance Factor	D/S : Approx. 7:1. D - Distance, S - Spot.