

## 2. SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	13 mm(0.5") Super large LCD.
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
Accuracy	2 % of reading or 2°C (3 °F), which ever is greater. * Within $23 \pm 5$ °C ambient operating temp. & a known blackbody emissivity. * Spec. tested under the 20 cm dia. black body, the measuring distance from the Probe sensing Head is 30 cm. * Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.
Emissivity Setting	0.10 to 0.95, A factory preset emissivity value to 0.95, which will cover 90% of atypical application.
Temp. Sensor	Thermocouple pie.
Measurement Wave length Region	6 to 12 micro meter.
Measurement Field Distance	See Fig. 1
Distance Factor	D/S : Approx. 7:1. D – Distance, S – Spot.
Sampling Time	Approx. 1 sec.

Memory Recall	Records Maximum and Minimum readings with RECALL.
Data Output	RS 232 PC serial interface.
Operating Temp.	0 °C to 50 °C(32 °F to 122 °F).
Operating Humidity	Less than 80% RH.
Power Supply	006P DC 9V battery (Heavy Duty Type) or equivalent.
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 .
Accessories included	Instruction manual.....1 PC. IR Sensor probe.....1 PC. Carrying Case.....1 PC.
Optional Accessories	RS-232 cable, Model : UPCB-02 Application Software, Model : SW-U001

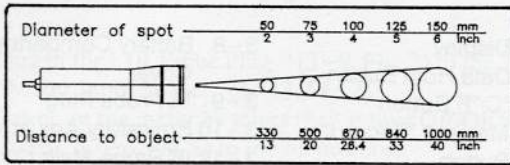


Fig. 1