

# IR THERMOMETER PROBE

**Model : YK-200PIR**

## 1. FEATURES

* Non-contact, Infrared Thermometer probe connect with YK-2001TM will become a professional IR Thermometer.
* Two temperature units, i.e. °C or °F.
* A factory preset emissivity value 0.95 which satisfies 90% typical applications.
* Separate probe, easy operation and remote measurement.
* Microprocessor circuit assures high accuracy performance available.
* Super large LCD display, easy readout.
* Heavy duty & compact housing case.
* Records Maximum and Minimum readings with RECALL facilities.
* Data hold function.
* RS 232 PC serial interface.
* Auto shut off prolongs battery life.

## 2. SPECIFICATIONS

### 2-1 General Specifications

Circuit	Custom one-chip microprocessor LSI circuit.
Measurement	Temperature: -10 to 300 °C / 14 to 572 °F.
Resolution	1 °C / 1 °F.
IR Sensor	Thermocouple pie.
Emissivity Setting	0.95
Measurement Wave length Region	6 to 12 micro meter.
Distance Factor	D/S : Approx. 7:1. D - Distance, S - Spot.
Memory Recall	Records Maximum and Minimum readings with RECALL facility.
Power off	Manual power off by push button or Auto power off (Not activated during memory record function).
Over load indication	Indicated by "----".
Sampling Time	Approx. 0.8 second.
Data Output	RS 232 PC serial interface.
Operating Temperature	0 to 50 °C
Operating Humidity	Max. 80% RH.
Size	Probe : Round, 40 mm Dia. x 150 mm length.
Accessories Included	Instruction manual.....1 PC. IR Thermometer probe.....1 PC.

### 2-2 Electrical Specifications(23.5°C)

Measurement Range	-10 °C to 300 °C / 14 °F to 572 °F.
Resolution/	1°C, 1°F
Accuracy	± 3 % of reading or 3°C which ever is greater. * Meter operating temp. within 23.5 °C & the emissivity value of measurement target is 0.95. * Spec. tested under the 20 cm dia. black body, the measuring distance from the Probe sensing Head is 30 cm.