

separate probe, type K

THERMOMETER

Model : PTM-806

ISO-9001, CE, IEC1010

www.valab.com.tw 02-2389-0101



TP-01



TP-02A



www.YaLAB.com.tw

The Art of Measurement

separate probe, type K

THERMOMETER

Model : PTM-806

FEATURES

* Both type K temp. measurement, wide range.
* °C/°F, 0.1 degree.
* Meter can default the measuring unit to °C or °F.
* Standard type K input socket, can cooperate the full line optional type K temp. probe.
* Two type display, normal or reverse, easy for operation.
* Data hold to freeze the display value.
* Bright LCD display.
* Microprocessor circuit ensures high accuracy and provides special functions and features.
* Auto power off saves battery life.
* Operates from DC 1.5V (UM4/AAA) x 4 PCs batteries.
* Durable, long-lasting components, enclosed in strong, compact ABS-plastic housing.

GENERAL SPECIFICATIONS

Display	LCD size : 28 mm x 19 mm.
Temp. unit	°C or °F with default.
Circuit	Custom one-chip of microprocessor LSI circuit.
Thermocouple type	Type K.
Temperature Compensation	Automatic temp. compensation for the cold junction.
Linear Compensation	Linear Compensation for the full range.
Probe Input Socket	Standard 2 pin thermocouple socket.
Data Hold	Freeze the display reading.
Over Indication	Show " - - - - - ".
Sampling Time	Approx. 1 second.
Power off	Auto shut off saves battery life.
Operating Temperature	0 to 50 °C.
Operating Humidity	Less than 80% R.H.
Power Supply	DC 1.5 V battery (UM4/AAA) x 4 PCs,
Power Current	Approx. DC 6.5 mA
Weight	156 g/ 0.34 LB.

Dimension	175 x 40 x 40 mm (6.9" x 1.6" x 1.6")
Accessories Included	Instruction manual.....1 PC Type K thermocouple probe, TP-01 1 PC
Optional Accessory	* Soft carrying case with sash (210 x 80 x 50 mm), Model : CA-52A * Type K thermocouple probe, TP-02A, TP-03, TP-04

TYPE K THERMOCOUPLE PROBE, TP-01

- * TP-01 Temp. probe is standard accessory.
- * Max. short-tern operating Temperature: 300 °C (572 °F).
- * It is an ultra fast response naked-bead thermocouple suitable for many general purpose application.

ELECTRICAL SPECIFICATIONS FOR THE METER

(23± 5 °C)

Resolution	Range	Accuracy
0.1 °C	-50.0 to 1300.0 °C	± (0.4 % + 0.8 °C)
	-50.1 to -100.0 °C	± (0.4 % + 1 °C)
0.1 °F	-58.0 to 2372.0 °F	± (0.4 % + 1.5 °F)
	-58.1 to -148.0 °F	± (0.4 % + 1.8 °F)

* Accuracy value is specified for the meter only.
* Type K probe TP-01 is the standard accessory.
* Type K probe TP-02A, TP-03, TP-04 are the optional accessories.

OPTIONAL TYPE K TEMPERATURE PROBE

Thermocouple Probe, TP-02A	* Measure Range: -50 °C to 900 °C, -50 °F to 1650 °F. * Dimension:10cm tube, 3.2mm Dia.
Thermocouple Probe, TP-03	* Measure Range: -50 °C to 1200 °C, -50 °F to 2200 °F. * Dimension: 10cm tube, 8mm Dia.
Surface Probe, TP-04	* Measure Range: -50 °C to 400 °C, -50 °F to 752 °F. * Size : Temp. sensing head - 15 mm Dia. Probe length - 120 mm.