



separate probe, type K

THERMOMETER

Model : PTM-806

ISO-9001, CE, IEC1010



TP-01



TP-02A



LUTRON ELECTRONIC

The Art of Measurement

separate probe, type K



THERMOMETER

Model : PTM-806

FEATURES

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| * 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. |

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|----------------------|--|
| 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

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| * 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. |

GENERAL SPECIFICATIONS

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|--------------------------|---|
| 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. |

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

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|----------------------------|---|
| 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. |

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