

0.01 degree ,, Pt 100, type K/J/R/E/T

PRECISION THERMOMETER

Model : TM-917HA

ISO-9001, CE, IEC1010



FEATURES

- * Professional thermometer with high accuracy & 0.01 degree resolution.
- * Accept multi type temp. probe input : Platinum PT 100 ohm, Thermocouple type K/J/T/E/R.
- * PT 100 probe input cooperate with an 0.00385 alpha coefficient, meet DIN IEC 751.
- * Cooperate with 4 wires Pt-100 ohm probe, high precision.
- * Wide measuring range.
- * Super large LCD with unit display.
- * Data hold.
- * Sensor select button on the front panel.
- * Maximum & minimum reading.
- * Relative measurement.
- * Built-in low battery indicator.
- * Optional heavy duty & compact housing case, easy carry out.



勝特力材料 886-3-5753170
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The Art of Measurement

PRECISION 0.01 degree THERMOMETER

Model : TM-917HA

| FEATURES | |
|---|---|
| * Professional thermometer with high accuracy & 0.01 resolution. | * Build in 0.01& 0.1select switch on the front panel. |
| * Accept multi type temp. probe input : platinum PT 100 ohm, thermocouple type K/J/T/E/R. | * Super large LCD with unit display, easy readout. |
| * With 0.01 high resolution both for Platinum & Thermocouple probe input. | * Data hold function for stored the desired value on display. |
| * PT 100 probe input cooperate with an 0.00385 alpha coefficient, meet DIN IEC 751. | * Sensor select button on the front panel, easy to change different type probe. |
| * Cooperate with 4 wires Pt-100 ohm probe, high precision. | * Memory function to record the maximum & minimum reading with recall. |
| * Wide range display from -100 to 1370 °C (type k). | * Build the REL. button, useful for relative measurement. |
| * Build in °C & °F select button on the front panel. | * Built-in low battery indicator. |
| | * Optional heavy duty & compact housing case, designed for easy carry out. |

| GENERAL SPECIFICATIONS | | | |
|------------------------|--|----------------------|---|
| Display | 62 mm x 34 mm supper large LCD display, 13 mm (0.5") digit size. | Sampling Time | Approx. 0.4 second. |
| Probe type | 5 types : 1. Platinum PT 100 ohm (0.00385 alpha coefficient, meet DIN IEC 751) 2. Thermocouple type K. 3. Thermocouple type J. 4. Thermocouple type T. 5. Thermocouple type E. 6. Thermocouple type R. | Hold Function | To freeze the display reading value. |
| | | Memory Recall | Memorize the Maximum, Minimum reading with recall. |
| | | Over Indication | Show " - - - - ". |
| | | Power Supply | Heavy duty or Alkaline type, DC 9V battery, 006P, MN1604 (PP3) or equivalent. |
| | | Power Consumption | Approx. DC 15 mA. |
| | | Operating | 0 to 50 °C (32 to 122 °F). |
| Functions | °C, °F, 0.010.1 Data hold, relative measurement. | Temperature | |
| Resolution | 0.01°C/0.1°C, 0.01°F/0.1°F. | Operating | Less than 80% RH. |
| Circuit | Use the software to make linearity correction instead the traditional hardware circuit. | Humidity | |
| | | Meter Size | 185 x 78 x 38 mm (7.1 x 3.1 x 1.5 inch). |
| | | Meter Weight | 285 g/0.62 lb. |
| Probe input socket | Pt 100 ohm probe : DIN 4 pin socket. Thermocouple couple probe : Standard 2 pin type K socket. | Standard | Operational manual..... 1 PC. |
| | | Accessory | |
| | | Optional Accessories | Carrying case, Pt-100 probe, Type K Thermocouple probe. |

| MEASURING RESOLUTION / RESOLUTION | | | | | |
|-----------------------------------|------------|----------------------|---------------------|------------|----------------------|
| Type | Resolution | Range | Type | Resolution | Range |
| Platinum PT 100 ohm | 0.01 °C | -199.99 to 199.99 °C | Thermocouple type T | 0.01 °C | -100.00 to 100.00 °C |
| | 0.1 °C | 200.0 to 850.0 °C | | 0.1 °C | 100.0 to 400.0 °C |
| | 0.02 °F | -199.99 to 392.00 °F | | 0.02 °F | -148.00 to 212.00 °F |
| | 0.2 °F | 392.0 to 1562.0 °F | | 0.2 °F | 212.0 to 752.0 °F |
| Thermocouple type K | 0.01 °C | -100.00 to 100.00 °C | Thermocouple type E | 0.01 °C | -80.00 to 90.00 °C |
| | 0.1 °C | 100.0 to 1370.0 °C | | 0.1 °C | 90.0 to 779.9 °C |
| | 0.02 °F | -148.00 to 212.00 °F | | 0.02 °F | -112.00 to 194.00 °F |
| | 0.2 °F | 212.0 to 2498.0 °F | | 0.2 °F | 194.0 to 1435.8 °F |
| Thermocouple type J | 0.01 °C | -90.00 to 100.00 °C | Thermocouple type R | 0.1 °C | 0 to 600.0 °C |
| | 0.1 °C | 100.0 to 900.0 °C | | 1 °C | 600 to 1770 °C |
| | 0.02 °F | -130.00 to 212.00 °F | | 0.2 °F | 32.0 to 112.0 °F |
| | 0.2 °F | 212.0 to 1652.0 °F | | 1 °F | 112 to 3218 °F |

| OPTIONAL TEMPERATURE PROBE & OTHER ACCESSORIES | |
|--|---|
| Carrying Case | Model : CA-03, Vinyl soft carrying case. |
| Carrying Case | Model : CA-06, Hard carrying case |
| PT-100 ohm Probe TP-100 | * -50 °C to 400 °C (-58 °F to 752 °F), DIN plug, 4 pins/4 wires, Class A, Cooperate with an 0.00385 alpha coefficient, meet DIN IEC 751, Accuracy : (0.15 + (0.002 x T)) C. |
| TP-100A | * Dimension Sensing head - 152 mm tube, Probe length - 245 mm. |
| Thermocouple Probe (Type K) TP-01 | * Measure Rage: -40 °C to 250 °C, -40 °F to 482 °F. * Ultra fast response naked-bead thermocouple, general purpose application. |
| Thermocouple Probe (Type K), TP-02A | * Measure Range: -50 °C to 900 °C, -50 °F to 1650 °F. * Dimension: 10 cm tube, 3.2 mm Dia. |
| Thermocouple Probe (Type K), TP-03 | * Measure Range: -50 °C to 1200 °C, -50 °F to 2200 °F. * Dimension: 10 cm tube, 8 mm Dia. |
| Surface Probe (Type K), 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. |

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

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