

0.1 degree , T1, T2, T1-T2 DUAL THERMOMETER

Model : TM-916HA

ISO-9001, CE, IEC1010



FEATURES

- * Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- * Super large LCD display. Dual function meter's display.
- * Heavy duty & compact housing case.
- * Maximum and Minimum readings.
- * Data hold.
- * Auto shut off saves battery life.
- * Operates from 006P DC 9V battery.
- * T1, T2, T1-T2, 1 degree/0.1 degree
- * Wide range from -200 to 1370 C degree.
- * Meet any standard type K Temp. probe.
- * Build in temperature linearity & precision cold junction compensation circuit, high accuracy.
- * Fitted with standard type K thermocouple input measuring socket.



LUTRON ELECTRONIC

The Art of Measurement

DUAL THERMOMETER

Model : TM-916HA

| FEATURES | |
|--|--|
| * Microprocessor circuit assures maximum possible accuracy, provides special functions and features. | * Operates from 006P DC 9V battery. |
| * Super large LCD display with contrast adjustment for best viewing angle. | * Multi functions, dual channel temp. input, differential temp. measurement, °C/°F, 0.1/1 degree, data hold. |
| * Dual function meter's display. | * Wide measuring range from -50 °C to 1230 °C. |
| * Heavy duty & compact housing case. | * Meet any standard type K(NiCr-NiAl) probe. |
| * Records Maximum and Minimum readings with RECALL. | * Fitted with standard type K thermocouple input measuring socket. |
| * Data hold. | * Build in temperature linearity & precision cold junction compensation circuit, high accuracy. |
| * Auto shut off saves battery life. | * Low battery indicator. |

| GENERAL SPECIFICATIONS | | | |
|------------------------|--|----------------------|---|
| Circuit | Custom one-chip of micro-processor LSI circuit. | Memory Recall | Records Maximum and minimum readings with RECALL. |
| Display | * 13 mm(0.5") Super large LCD display with contrast adjustment for best viewing angle. * Dual function meter's display. | Power off | Auto shut off saves battery life. or manual off by push button. |
| | | Sampling Time | Approx. 0.8 to 1.0 second. |
| Sensor Type | Thermocouple K(NiCr-NiAl). | Operating Temp. | 0 °C to 50 °C (32 °F to 122 °F). |
| Measurement | Two channel temp. input (T1, T2), differential temperature measurement(T1 -T2), °C/°F, 0.11 data hold. | Operating Humidity | Less than 80% R.H. |
| | | Power Supply | 006P DC 9V battery. (Heavy Duty Type) |
| Range | - 50 °C to 1230 °C, - 50 °F to 1999 °F. | Power Current | Approx. DC 6.2 mA. |
| | | Weight | 275 g/0.61 LB. |
| Polarity | Automatic switching, '-' indicates negative polarity. | Dimension | 180 x 72 x 32 mm. (7.1 x 2.8 x1.3 inch). |
| Input Impedance | 10 Mega ohm. | | Instruction manual..... 1 PC |
| Over input indication | Indication of "- - - -". | Optional Accessories | Temperature probe. Carrying case. |

| ELECTRICAL SPECIFICATIONS (23± 5 °C) | | | | |
|--|--------------------|------------|-----------------------|-----------------|
| | TEMP. RANGE | RESOLUTION | | ACCURACY |
| °C | -200 °C to 1370 °C | 0.1 °C | -199.9 °C to 199.9 °C | ± (1 % + 1 °C) |
| | | 1 °C | --200 °C to 1370 °C | |
| °F | -328 °F to 2498 °F | 0.1 °F | -199.9 °F to 199.9 °F | ± (1 % + 2 °F) |
| | | 1 °F | -328 °F to 2498 °F | |
| °C | T1 - T2 | | | ± (1 % + 2 °C) |
| °F | T1 - T2 | | | ± (1 % + 3 °F) |
| * The above accuracy specification applies only to the instrument itself and allowance must be made for limits of error permitted in thermocouple. | | | | |

| OPTIONAL TEMPERATURE PROBE & OTHER ACCESSORIES | |
|--|--|
| Thermocouple Probe (Type K) TP-01 | Measure Range: -40 °C to 250 °C, -40 °F to 482 °F Max. short-term operating Temperature: 300 °C (572 °F). It is an ultra fast response naked-bead thermocouple, suitable for many general purpose application. |
| Thermocouple Probe (Type K), TP-02A | Measure Range: -50 °C to 900 °C (-50 °F to 1650 °F). Dimension: 10cm tube, 3.2mm Dia. |
| Thermocouple Probe (Type K), TP-03 | Measure Range: -50 °C to 1200 °C (-50 °F to 2200 °F). Dimension: 10cm tube, 8mm 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. |

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

0607-TM916HA

DUAL THERMOMETER

Model : TM-916HA

| FEATURES | |
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| * Microprocessor circuit assures maximum possible accuracy, provides special functions and features. | * Operates from 006P DC 9V battery. |
| * Super large LCD display with contrast adjustment for best viewing angle. | * Multi functions, dual channel temp. input, differential temp. measurement, °C/°F, 0.1/1 degree, data hold. |
| * Dual function meter's display. | * Wide measuring range from -50 °C to 1230 °C. |
| * Heavy duty & compact housing case. | * Meet any standard type K(NiCr-NiAl) probe. |
| * Records Maximum and Minimum readings with RECALL. | * Fitted with standard type K thermocouple input measuring socket. |
| * Data hold. | * Build in temperature linearity & precision cold junction compensation circuit, high accuracy. |
| * Auto shut off saves battery life. | * Low battery indicator. |

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| Circuit | Custom one-chip of micro-processor LSI circuit. | Memory Recall | Records Maximum and minimum readings with RECALL. |
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| Measurement | Two channel temp. input (T1, T2), differential temperature measurement(T1 -T2), °C/°F, 0.11 data hold. | Operating Humidity | Less than 80% R.H. |
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| Range | - 50 °C to 1230 °C, - 50 °F to 1999 °F. | Power Current | Approx. DC 6.2 mA. |
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| Input Impedance | 10 Mega ohm. | | Instruction manual..... 1 PC |
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| | | 1 °C | --200 °C to 1370 °C | |
| °F | -328 °F to 2498 °F | 0.1 °F | -199.9 °F to 199.9 °F | ± (1 % + 2 °F) |
| | | 1 °F | -328 °F to 2498 °F | |
| °C | T1 - T2 | | | ± (1 % + 2 °C) |
| °F | T1 - T2 | | | ± (1 % + 3 °F) |
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