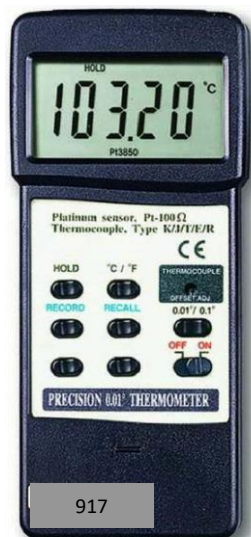


‘0.01 Degree, Pt 100 ohm, Type K/J/R/E/T High Precision, RS232 Precision Thermometer

The Art of Measurement

Model : TM-917



Feature

- ✓ Professional thermometer with high accuracy & 0.01 resolution.
- ✓ Build in 0.01& 0.1select switch on the front panel
- ✓ RS 232 computer serial interface
- ✓ Accept multi type temp. probe input : platinum PT100 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
- ✓ Super large LCD with unit display, easy readout
- ✓ Data hold function to store the desired value
- ✓ With 0.01 high resolution both for Platinum & Thermocouple probe input.
- ✓ Memory function to record the Maximum & Minimum reading with all
- ✓ Wide range display from -199.99 to 850.
- ✓ Wide range display from -100 to 1370 °C (Type K)
- ✓ Built the REL button, useful for relative measurement.
- ✓ Built-in low battery indicator.
- ✓ Build in & select button on the front panel
- ✓ Optional heavy duty & compact housing cases are available

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 | 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 |
| | | Memory Recall | Memorize the Maximum, Minimum reading with recall. |
| | | Over Indication | Show " - - - - ". |
| | | Data Output | RS232 PC serial interface. |
| | | Power Supply | Heavy duty or Alkaline type, DC 9V battery, 006P, MN1604 (PP3) or equivalent. |
| | | Power Consumption | Approx. DC 15 mA. |
| Functions | °C, °F, 0.01/0.1 Data hold, relative measurement. | Operating Temperature | 0 to 50°C (32 to 122°F). |
| Resolution | 0.01°C/0.1°C, 0.01°F/0.1°F | Operating Humidity | Less than 80% RH. |
| Circuit | Use the software to make linearity correction instead the traditional hardware circuit. | Meter Size | 180x72x32 mm (7.1x2.8x1.3 inch). |
| | | Meter Weight | 285 g/0.62 LB. |
| Probe input socket | PT100 - DIN 4 pin socket. Thermocouple: Standard 2 pin type K socket | Standard Accessory | Operational manual.....1 PC. |
| | | Optional Accessories | Carrying case, Pt-100 probe, RS232 cable, USB cable Application software. |

Measuring Resolution / Resolution

| Type | Resolution | Range | Type | Resolution | Range |
|---------------------|------------|---------------------|---------------------|------------|---------------------|
| Platinum PT100 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°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°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 600.00°C |
| | 0.1°C | 100.0 to 900°C | | 1°C | 600.0 to 1770°C |
| | 0.02°F | -130.00 to 212.00°F | | 0.2°F | 32.0 to 112.00°F |
| | 0.2°F | 212.0 to 1652.0°F | | 1°F | 112.0 to 3218°F |