

# PORTABLE HIGHEST PRECISION THERMOMETER TT-07SP

## FEATURES

- High accuracy metrological grade for research, calibration, high accuracy application
- Fast Response and Laboratory Accuracy, Calibration Available.
- Applicable for multiple mathematical
- Statistical measurements
- Adjustable 6-bit digit display with high resolution to 0.001
- Low power consumption: 3 AA batteries, normal life 1,500 working hours.
- The user-friendly front panel is easy to setup and operate.

## TECHNICAL SPECIFICATION

- High measurement accuracy- up to 0.02%FS(PT100-4 wire).
- Display process values, maximum, minimum, average, Peak-Peak values and Standard deviation and sampling number
- Display in units:  $\Omega$ , mV, K, Celsius, Fahrenheit  
Three modes of compensation method for the thermocouple to maximize overall accuracy
- Display resolution: 0.001°C(RTD), 0.01°C (thermocouple), 0.000(mV/mA)
- Supplied with K-type thermocouple/ four wires resistor testing cable/ two wires mV/mA cable
- Auto-off function available
- Operating temperature: 0 to 50°C
- Operating humidity: 85%
- Size: 155 x 70 x 30mm<sup>3</sup> (0.25kg included batteries)
- Batteries: three AA batteries, not included
- Life: 1,500 hours (Normal Operations)



## MEASUREMENT RANGE

- Pt100 : -100 to +350°C
- Pt1000: -140 to +320°C
- Cu50: -50 to +150°C
- Cu100: -50 to +150°C
- K: -200 to +1,372°C
- S: 0 to 1768°C
- E: -200 to +1,000°C
- T: -200 to +400°C
- J: -210 to +1,200°C
- R: 0 to 1,768°C
- B: 300 to +1,820°C
- N: -200 to +1,300°C
- Resistance: 0 to 2,220 $\Omega$
- Voltage: -100 to +200mV
- Current: -2 to +24mA



[www.tunix.co.in](http://www.tunix.co.in)



[products@tunix.co.in](mailto:products@tunix.co.in)



91+ 6264901140

Tunix Corporation, Office No. 520, Block MS 1 A Mall Go-down road, New Siyaganj, Indore, MP India

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