

# HANDHELD WATER RESISTANT THERMOMETER - PTM1

- **Handheld water resistant to IP67**
- **Accepts Type J, K or T Thermocouple Probes**
- **Resolution to 0.1°C**
- **Accurate to within  $\pm 0.7^\circ\text{C}$**
- **Low Price**
- **Dual Scale readings in either  $^\circ\text{C}$  or  $^\circ\text{F}$**
- **Stores 'Min' and 'Max' Temperature readings**
- **Time and date stamp with 50 reading memory**



In applications where clinical accuracy is not mandatory and cost is an important factor, the PTM1 is Physitemp's most compact and economical thermocouple thermometer.

The Model PTM1 is a high performance, precision hand-held instrument for the measurement of temperature using Physitemp's Type T (copper-constantan) thermocouples (will also accept J & K). This versatile instrument measures temperature in both  $^\circ\text{C}$  and  $^\circ\text{F}$ . The internal memory of the micro-computer stores the minimum and maximum measured temperature range for instant recall via the LCD display.

The PTM1 operates on four "AAA" batteries. The touch mode keys are highly reliable with tactile and audio feedback. The resetting of parameters is not required when power is restored.

The unit is also equipped with a non-volatile memory allowing the user to store 50 different sets of readings. This unit will assign a site number for each set of readings stored, so the user can review the data easily.

If you have any questions, or would like to discuss your application, please feel free to contact us.

## PTM1 SPECIFICATIONS

Type	Range	Resolution	Accuracy
J,K,T	-328.0°F to 392.0°F -200.0°C to 200.0°C	0.1°F 0.1°C	$\pm 0.1\% \text{FS} \pm 1.4^\circ\text{F}$ $\pm 0.1\% \text{FS} \pm 0.7^\circ\text{C}$
J	393°F to 2010°F 201°C to 1099°C	1°F 1°C	$\pm 0.1\% \text{FS} \pm 1.4^\circ\text{F}$ $\pm 0.1\% \text{FS} \pm 0.7^\circ\text{C}$
K	393°F to 2500°F 201°C to 1371°C	1°F 1°C	$\pm 0.1\% \text{FS} \pm 1.4^\circ\text{F}$ $\pm 0.1\% \text{FS} \pm 0.7^\circ\text{C}$
T	393°F to 752°F 201°C to 400°C	1°F 1°C	$\pm 0.1\% \text{FS} \pm 1.4^\circ\text{F}$ $\pm 0.1\% \text{FS} \pm 0.7^\circ\text{C}$
Cold Junction Compensation Error			0.05°C / °C; 0.05°F / °F
Ambient Temperature: Measurement Range			0.0°C to 50.0 °C
Rated Accuracy			18.0°C to 28.0 °C
Power			Four "AAA" Batteries
Battery Life			500 Hours (typical)
Display ( Time : Temperature)			4.7mm : 13.9mm high LCD
Relative Humidity			up to 90%
Case			IP67 water-tight case
Dimensions (W x D x H)			75mm x 157mm x 35mm
Weight			230 grams (Batteries included)