RESISTANCE TEMPERATURE METER

Available Models
PSI-RTM 1, PSI-RTM 2

Temperature is one of the most commonly measured parameter in various fields including air pollution monitoring, process industry and most work places. Accurate and reliable measurement of temperature in various ranges requires a properly designed and working instrument.

Salient Features

- ❖ Microprocessor based Design
- ❖ Excellent accuracy and Resolution
- ❖ Backlit Alphanumeric Display
- ❖ Compact and lightweight
- ❖ User selectable unit of measurement from ^0C, ^0F, K

Description

PSI-RTM is a compact hand held microprocessor based instrument which utilizes a four wire RTD as the temperature sensor element. Pt100 is the standard RTD used. Pt1000 is available as an option. The two models are distinguished by two physical and two electrical parameters. They have slightly different sizes and weights. Electrically they differ in the methodology of battery charging and data transmission

Detailed Technical Specifications:

	RTM 1	RTM2
Range	- 35 to 250^0C	
Accuracy	Typical ±0.2 ^0C (Better accuracy on special request)	
Resolution	0.02^0C	
Temperature Sensor	Standard PT-100 Optional PT-1000	
Unit Selection	^0C, ^0F & K	
Display	2 lines x 16 character alphanumeric LCD	
Key pad	4 keys	
Key Functions	Power On/OFF Select Units, Next, Enter	Power On/OFF Select Units, Data Transmission, Enter
Power	3.6 Volts Li-ion Battery	
Charging Voltage & Charger	5 VDC AC mains adaptor	5 VDC USB
Data Transmission	NA	**USB**
Connections	Mini-shell 4 pin	
Size	210 L x 105 W x 35 mm D	205 L x 100 W x 35 mmD
Weight	400 grams	400 grams

Related Products
Thermocouple Temperature Meter PSI-PSI-TTM 1, PSI-PSI-TTM 2
Digital Barometric Pressure Indicator Model PSI–BPI1