



THERMOCOUPLE SIMULATOR

Available Model:

PGE-TS1

Accurate and reliable measurement of temperature in industrial processes and air pollution monitoring applications requires a reliably working temperature measurement system.

A commonly employed instrument for temperature measurement comprises a thermocouple temperature sensor and an electronic unit. The electronic unit processes the thermocouple output, provides cold junction compensation and computes the temperature and displays the same in appropriate units.

Testing and calibration of thermocouples at different temperatures becomes very difficult, particularly in on-site applications because of the difficulty in handling the standard heat sources such as temperature baths in away- from- laboratory situations.

A thermocouple simulator is a standard tool which comes in handy in tiding over these problems of on-site temperature calibrations. The simulator gives a mV output corresponding to the selected thermocouple and the set temperature.

Thermocouple Simulator Model PGE-TS1 is designed and manufactured by Polltech to enable easy and quick on-site temperature calibrations.

Salient Features

- Highly stable output
- User enabled auto zero
- User selectable simulated thermocouple from Type J and Type K
- Microprocessor based Design
- Excellent accuracy and Resolution
- Backlit Alphanumeric Display
- Display of set temperature in °C and the output mV
- Compact and lightweight



Thermocouple Simulator Model PGE-TS1

Detailed Technical Specifications:

Simulated Thermocouples	ANSI J and ANSI K	
	ANSI J	ANSI K
Settable Temperature Range	0 – 1200 °C	0 – 1370 °C
mV output Range	0-80.00 mV	
mV output Control	Precision coarse and fine control potentiometers	
Accuracy	Better than ±1 °C & mV	
Resolution	0.3°C	
Display	2 lines x 16 character alphanumeric LCD	
Power	3.6 Volts Li-ion Battery	
Battery Charging Voltage	5 VDC	
Charger	AC mains adaptor SV DC	
Size	110 W x 90 H x 60 mm D	
Weight	300 grams	

Related Products

Digital Barometric Pressure Indicator Model PSI-BP11

Thermocouple Temperature Meter PSI-TTM 1, PSI-TTM 2

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