



The Temperature Measurement Trainer (52281) gives an idea regarding measurement of temperature using various sensors/equipments such as Thermometer, Bimetallic Thermometer, Thermocouple (J-Type & K-Type), Thermistors (NTP) and Transmitters.

Features

- Compact Ergonomic Design.
- User Friendly, Self Explanatory Systems.
- Robust Construction.
- Enhanced Electrical Safety Considerations.
- Training Manuals & Mimic Charts for Operation Ease.
- Inbuilt Safety Measures to avoid improper usage.

Experiment

- Study of Measurement Temperature using Thermometer.
- Study of Measurement Temperature using Bimetal Thermometer.
- Study of Measurement Temperature using RTD PT-100.
- Study of Measurement Temperature using Thermistor.
- Study of Measurement Temperature using K-Type Thermocouple.
- Study of Measurement Temperature using Temperature Transmitter.

Services Required

- Electric Supply of 1 ϕ 230 VAC.

Technical Specification		
No.	Item Name	Technical Specifications
1	Thermometer	Type: Mercury in glass, Range: 10-110 $^{\circ}$ C
2	Bimetal Thermometer	Dial Size: 100 mm, Range: 0-100 $^{\circ}$ C Temperature Sensor Type: PT-100, Sheath Diameter: 6 mm x 100 mm long
3	Thermistor	Type: NTC, Sheath Diameter: 6 mm x 100 mm long
4	Thermocouple	Type: K-Type, Range: 0-100 $^{\circ}$ C
5	Temperature Transmitter	Type: Head Mounted, 2-Wire, Input RTD PT-100, Range: 0-100 $^{\circ}$ C, Output: 4-20 mA
7	Digital mV meter	Range: 0-200mV DC, Display: 4 $\frac{1}{2}$ Digit
8	Multi-meter	3 $\frac{1}{2}$ Digit Display
9	Compensating Cable	Type K
10	Thermocouple connector	Type K
11	Hot Water Bath	Capacity: $\frac{1}{2}$ Liter, 500 Watt, Non-Corrosive Bath
12	Power Supply	230 V Supply, Output: 24 V DC, 5 A
13	Current Meter	For measuring Transmitter Output
14	System Dimensions	3 Ft. (L) X 2 Ft. (W) X 2 Ft. (H)

Note: Specifications are subject to change.

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