

SAP E & C TEMPERATURE MEASUREMENT TRAINER
(PRODUCT CODE: SAP – 32A)



The **Temperature Measurement Trainer (SAP – 32A)** gives an idea regarding measurement of temperature using various sensors/equipments such as Thermometer, Bimetallic Thermometer, RTD-PT-100, Thermocouple (J-Type & K-Type), Thermistors (NTP) and Transmitters.

Temperature Measurement Trainer (SAP – 32A)

Technical Specification:-

No.	Item Name	Technical Specifications
1	Thermometer	Type: Mercury in glass, Range: 10-110°C
2	Bimetal Thermometer	Dial Size: 100 mm, Range: 0-100°C
	Temperature Sensor	Type: PT-100, Sheath Diameter: 6 mm x 100 mm long
3	Thermister	Type: NTC, Sheath Diameter: 6 mm x 100 mm long
4	Thermocouple	Type: K-Type, Range: 0-100°C
5	Temperature Transmitter	Type: Head Mounted, 2-Wire, Input RTD PT-100, Range: 0-100°C, Output: 4-20 mA
7	Digital mV meter	Range: 0-200mV DC, Display: 4½ Digit
8	Multi-meter	3½ Digit Display
9	Compensating Cable	Type K
10	Thermocouple connector	Type K
11	Hot Water Bath	Capacity: ½ 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

Range of Experiments-

- ❖ 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 Thermister.
- ❖ Study of Measurement Temperature using K-Type Thermocouple.
- ❖ Study of Measurement Temperature using Temperature Transmitter.

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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.

System Dimensions- 3 Ft. (L) X 2 Ft. (W) X 2 Ft. (H)

Services Required-

- ❖ Electric Supply of 1 ϕ 230 VAC.

Note-

All descriptive matter and illustrations are intended to give only a general idea of the equipment detailed specifications may be altered at the company's discretion without any notice.

