Order Code - 52011
Temperature Transducer Trainer

- Self contained trainers
- Each with 4 different Transducers
- Study of Transducer controlled switching / alarm systems
- On board signal conditioning circuitry
- Built-in DC power supply
- Functional blocks indicated on-board Mimics
- Fully documented Student Workbook and
- Operating Manual with each trainer

Experiments that can be performed

- Characteristics of IC temperature Sensor
- Characteristics of NTC Thermistor
- Characteristics of NTC Bridge Circuit
- Characteristics of Platinum RTD
- Characteristics of K type Thermocouple
- Temperature Controlled Alarm System

... and many more

Technical Specifications

Transducers : 4 Nos.
- a. N.T.C. Thermistor
- b. Platinum R.T.D.
- c. K Type Thermocouple
- d. IC Temperature Sensor

Heating Element : Wirewound resistance 47 Ω , 10W

Signal Conditioning Circuitry :

1. Instrumentation Amplifier
2. X100 Amplifier
3. DC Amplifier
4. Comparator
5. Electronic Switch

Input Circuits : Rotary & Slide Potentiometers

Output Circuits :
1. Relay
2. Buzzer

Interconnections : 4mm. banana sockets

Power Supply : 220 V ±10 %, 50 Hz / 60 Hz on request

Power Consumption : 2 VA (approx.)

Dimensions (mm) : W 340 × D 240 × H 105

Accessories : Line cord, Manual, Set of patch cords.

Note: Specifications are subject to change.

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