



Sciencetech 2302 Temperature Transducers play a very important role in today's industrial and domestic applications. Sciencetech 2302 Temperature Transducers is unique in design because it covers study of 4 different Temperature Transducers. Experiments covering fundamental characteristics of Transducers & study of Transducer controlled switching / alarm systems can be performed with this Trainer. 2302 comes with exhaustive learning material covering theory and experimental procedures for conducting experiments.

Features

- Easy to operate
- 4 different Temperature Transducers
- Study of Transducer controlled switching / alarm systems
- On board signal conditioning circuitry
- Built-in DC Power Supply
- Functional blocks indicated on-board Mimics
- Online on Product Tutorial

Scope of Learning

Characteristics of

- IC Temperature Sensor
- NTC Thermistor
- NTC Bridge Circuit
- Platinum RTD
- K type Thermocouple
- Temperature controlled Alarm System

Technical Specifications

Transducers	: 4 Nos.
N.T.C. Thermistor	
Platinum R.T.D.	
K Type Thermocouple	
IC Temperature Sensor	
Heating Element	: Wirewound resistance 47W, 10 W
Signal Conditioning Circuitry	:
Instrumentation Amplifier	
X100 Amplifier	
DC Amplifier	
Comparator	
Electronic Switch	
Input Circuits	: Rotary & Slide Potentiometers
Output Circuits	: Relay, Buzzer
Interconnections	: 2mm banana sockets
Mains Supply	: 100V-240 V, AC, 50/60 Hz
Power Consumption	: 2 VA (approximately)
Dimensions (mm)	: W 326 × D 252 × H 52
Weight	: 1.5Kg (approximately)
Operating Conditions	: 0-40°C, 85% RH
Included Accessories	: Mains cord - 1no. Patch Cord 16" (2mm) - 8nos. Patch Cord 8" (2mm) - 7nos.