



Sciencetech TechBooks are compact and user friendly learning platforms to provide a modern, portable, comprehensive and practical way to learn Technology. Each TechBook is provided with detailed Multimedia learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information.

Temperature Transducers play a very important role in today's industrial and domestic applications. Sciencetech Temperature Transducers TechBook 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 TechBook. 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)
Learning Material	:	Online on www.ScientechLearning.com
Operating Conditions	:	0-40°C, 85% RH
Included Accessories	:	
Mains cord	:	1no.
TechBook Power Supply	:	1no.
Patch Cord 16" (2mm)	:	8nos.
Patch Cord 8" (2mm)	:	7nos.

