

Optical and Temperature transducers play a very important role in today's industrial and domestic applications. optical and Temperature Transducers Trainers are unique in design because each cover study of 4 different type transducers. Experiments covering fundamental characteristics of transducers & study of transducer controlled switching alarm systems can be performed with these trainers. These trainers comes with exhaustive manuals covering theory and experimental procedures for conducting experiments.



Scope of Learning:

01. Characteristics of filament Lamp
02. Characteristics of Photovoltaic Cell
03. Characteristics of Photoconductive Cell
04. Characteristics of Photo transistor
05. Characteristics of PIN Photo diode
06. Light Controlled Switch System

Technical Specification:

- 01. Transducers** : 4Nos.
 - 1.1 Photoconductive Cell
 - 1.2 Photovoltaic Cell
 - 1.3 Photo transistor
 - 1.4 PIN Photo diode
- 02. Light Source** : Filament Lamp
- 03. Signal Conditioning Circuitry**
 - 3.1 Power Amplifier
 - 3.2 Current Amplifier
 - 3.3 DC Amplifier
 - 3.4 Comparator
 - 3.5 Electronic Switch
 - 3.6 Buffer
- 04. Input Circuits** : Rotary&Slide Potentiometers
- 05. Output Circuits**
 - 5.1 Moving Coil Meter
 - 5.2 Relay
 - 5.3 Buffer
- 06. Interconnections** : 4mm banana sockets
- 07. Mains Supply** : 100 - 240V, 50Hz. 60Hz on request
- 08. Power Consumption** : 2VA(approx)
- 09. Accessories** : Line cord, Manual, Set of Patch Cords

Note: Specifications are subject to change.

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