

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 Cooperator
  - 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** : 4mmbanana 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.

*Tesca Technologies Pvt. Ltd.*

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,  
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,  
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com  
Website: www.tesca.in