

Photo - Transducer Characteristics Kit

Introduction

This trainer is used to perform all the experiments of **PHOTO TRANSDUCER CHARACTERISTICS KIT** . It is useful for experimentation as well as project work . This trainer is designed in fashion, all sections can be operate individually. This is useful for and B.Tech And M.Tech. For research / Project work we give Re-programmable facility & PC interface with Lab view Easy to perform, This trainer is very useful for **ECE, EEE, EE, ME** and **I&C Eng** streams.

Technical Specification

- analog current and voltmeter
- Voltage comparator, power amplifier
- The concept circuit of Trainer printed on P.C.B. ,
- Inbuilt power supply source,
- **Transducers** Photoconductive Cell(LDR), Photovoltaic Cell, Photo transistor, LED ,Photo diode,
- **Light Source** - Filament Lamp with wooden mount base and scale for distance measurement ,
- Signal Conditioning Circuitry Potentiometers,
- Output Circuits, Interconnections - 4mm banana sockets,
- 220AC Mains Operated, Operating Manual ,
- **Output device-** Moving Coil Meters,
- Analog voltmeter dual range micro/milli amp current meter,
- **Amplifier-** Power Amplifier circuit, Current Amplifier,
- DC Amplifier, Comparator, Buffer, Input Circuits,
- Rotary & Slide Potentiometers, Output Circuits,
- Moving Coil Meter, Relay switch, Buffer,
- Accessories- user's manual, connecting leads,
- light source, power chord



Experiments

- To Study –characteristics of photo devices -photo transistor, photo diode, photo voltaic cell, photo conductive cell(LDR), LED.
- Study the current Amplifier.
- Study of power amplifier.
- Study of Signal Comparator.



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