
Experimental Training Board has been designed specifically to study the characteristics of Opto Electronic Devices. Different experiments have been included in this Opto Electronic Devices characteristics board in order that a wide range of topics on Opto Electronics Devices Characteristics be covered in a short span of time. All the circuits for obtaining the characteristics of various devices can be easily assembled on this versatile training board itself.

Practical experience on this board carries great educative value for Science and Engineering Students.

**Object:**

To study the characteristics of the following opto electronic devices :

01. Light Emitting Diode (LED).
02. Photo Diode.
03. Photo Transistor.
04. Light Dependent Resistor (L.D.R.).
05. Photo Voltaic Cell.
06. Optocoupler.

**Features:**

The board consists of the following built-in parts:

01. Two 0-10V D.C. at 100mA, continuously variable regulated Power Supplies.
02. Digital Voltmeter DC 3½ Digit having Dual range of 2V / 20V.
03. Digital Current meter DC 3½ Digit having Dual range of 2mA / 20mA
04. Digital Current meter DC 3½ Digit having Dual range of 200µA / 20mA
05. Opto Electronic Devices:

5.1 Light Emitting Diode (LED)
5.2 Photo Diode
5.3 Photo Transistor
5.4 Light Dependent Resistance (LDR)
5.5 Photo Voltaic Cell
5.6 Opto Coupler

06. Adequate no. of other electronic components.

* The unit is operative on 230V ±10% at 50Hz A.C. Mains.
* Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.
* Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections.
* Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

**Other Apparatus Required:**

* Variac 0-230V, 50Hz at 2 Amp
* 40 Watts, table lamp

Note: Specifications are subject to change.

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