



36401 Experimental Training Board has been designed specifically for to Determine the Boltzmann Constant and V-I Characteristics of PN Junction Diode.

The board is absolutely self contained and requires no other apparatus.

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

Experiment

- 01 To Determine the Boltzmann Constant and V-I Characteristics of PN Junction Diode

Features

The board consists of following built-in parts:

- 01 0-2V D.C. at 20mA, continuously variable with Coarse & Fine Pots, regulated Power Supply.
- 02 Digital D.C. Voltmeter, 3½ Digit ranges 0-2V.
- 03 Digital D.C. Ammeter 3½ Digit ranges 0-20mA.
- 04 Temperature meter LCD / LED type
- 05 Oven ON-OFF Switch
- 06 Diode Silicon
- 07 Adequate no. Of other electronic components.
- 08 Mains ON/OFF switch and Fuse.
- 09 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 10 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.
- 11 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections /observation of waveforms.
- 12 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 13 Weight : 1.400 Kg. (Approx.)
- 14 Dimension : W 340 x H 125 x D 210

Note: Specifications are subject to change.

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