



**OMEGA TYPE ETB-51** Experimental Training Board has been designed specifically for plotting the forward and reverse bias characteristics of a Germanium semiconductor Diode, and a Zener 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.

#### **OBJECT**

- 01 To study and plot the forward & reverse bias characteristics of a Germanium semiconductor Diode.
- 02 To study and plot the forward & reverse bias (breakdown) characteristics of a Zener Diode.

#### **FEATURES**

The board consists of the following built-in parts :

- 01 0-10V D.C. at 10mA, continuously variable regulated Power Supply with low ripple & hum and integral current limiting resistor.
- 02 Digital Voltmeter DC 3½ Digit Having Dual range of 2V / 20V.
- 03 Digital Current meter DC 3½ Digit Having Dual range of 20mA/ 20mA
- 04 A Germanium semiconductor Diode mounted behind the panel.
- 05 A Zener Diode mounted behind the panel.
- 06 Adequate no. of other electronic components.
- 07 Mains ON/OFF switch, Fuse and Jewel light.
- 08 The unit is operative on 230VAC  $\pm 10\%$  at 50Hz.
- 09 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.
- 10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 12 Weight : 2.200 Kg. (Approx.)
- 13 Dimension : W 340 x H 125x D210

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

## **OMEGA ELECTRONICS**