



OMEGA TYPE ETB-245 Experimental Training Board has been designed specifically for plotting the forward and reverse bias characteristics of a Germanium semiconductor Diode and Zener Diode and study of temperature coefficient of 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.
- 03 To study the Temperature Coefficient of Zener Diode and plot Power Rating curves.

FEATURES

The board consists of the following built-in parts:

- 01 0-10V D.C. at 20mA, continuously variable regulated Power Supply with low ripple & hum and integral current limiting resistor.
- 02 Digital Voltmeter 3 ½ digits having ranges of 2V/20V.

- 03 Digital Milliammeter 3 ½ digits having ranges 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 Oven electrically heated, for the purpose of varying the temperature of Zener diode.
- 08 Thermometer 0-110°C
- 09 Mains ON/OFF switch, Fuse and Jewel light.
- 10 This unit is operating on 230V ±10% at 50Hz A.C. Mains.
- 11 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ meter.
- 12 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 13 Weight : 3.500 Kg. (Approx.)
- 14 Dimension : W 340 x H 125 x D210

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

OMEGA ELECTRONICS