



**OMEGA TYPE ETB-68** Experimental Training Board has been designed specifically for plotting Characteristics of Ge & Si Semiconductor Diodes. 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 and Reverse Bias characteristics of (Ge & Si) Semiconductor Diodes.
- 02 To Determine the Static and Dynamic resistances of Forward Biased p-n junction of the given Diodes.

#### FEATURES

The board consists of following built-in parts:

- 01 0-10V D.C. at 50mA, continuously variable with Coarse & Fine Pots, regulated Power Supply.
- 02 Digital D.C. Voltmeter, 3½ Digit ranges 0-2V/20V.

- 03 Digital D.C. Ammeter 3½ Digit ranges 0-20uA/20mA.
- 04 Ge and Si Semiconductor Diodes.
- 05 Adequate no. Of other electronic components.
- 06 Mains ON/OFF switch and Fuse.
- 07 The unit is operative on 230VAC ±10% at 50Hz.
- 08 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.
- 09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections /observation of waveforms.
- 10 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 11 Weight : 1.300 Kg. (Approx.)
- 12 Dimension : W 340 x H 125 x D 210

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

## OMEGA ELECTRONICS