



**OMEGA TYPE ETB-52** Experimental Training Board has been designed specifically to study the Transistor input and output Characteristics in different modes i.e. Common Base, Common Emitter and Common Collector. This Training Board is an improved version with Germanium NPN & PNP transistors in addition to Silicon NPN & PNP transistors and four meters. 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

To study and plot the Transistor input and output Characteristics in the following configurations :

- 01 Common Emitter configuration .
- 02 Common Base configuration.
- 03 Common Collector configuration.
- 04 Transfer Characteristics of transistor.

### FEATURES

The board consists of the following built-in parts :

- 01 Two 0-10V D.C. at 50mA, continuously variable Power Supplies for Base Emitter & Collector Emitter junctions.

- 02 Two Digital Voltmeter DC 3½ Digit Having Dual range of 2V / 20V.
- 03 Two Digital Current meter DC 3½ Digit Having Dual range of 200uA / 20mA
- 04 Two silicon (NPN & PNP) transistors and two Germanium (NPN & PNP) transistors.
- 05 Adequate no. of other electronic components
- 06 Mains ON/OFF switch, Fuse and Jewel light.
- 07 The unit is operative on 230VAC  $\pm 10\%$  at 50Hz.
- 08 Adequate no. of patch cords stackable from rear both ends 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 : 4.00 Kg. (Approx.)
- 12 Dimension : W 415 x H 165 x D315

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

**OMEGA ELECTRONICS**