



**OMEGA TYPE ETB-106** Experimental Training Board has been designed specifically for the study of difference between Voltage Regulated and Current Regulated Power Supplies. Certain basic circuits used in such supplies can be assembled and studied on this training board. 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 a zener diode voltage regulator.
- 02 To study a series pass transistors voltage regulator.
- 03 To study an IC voltage regulator.
- 04 To study a transistor current regulator employing one of the following devices :
  - 4.1 Zener Diode
  - 4.2 Silicon Diodes
  - 4.3 LED
- 05 To study an IC current regulator.

#### FEATURES

- The board consists of following built-in parts :
- 01 Mains transformer with tapings for 0,9 and 14V A.C. at 150mA.
  - 02 Digital Voltmeter DC3½ Digit Having range of 0-200V.
  - 03 Digital Current meter DC 3½ Digit Having Dual range of 20mA/200mA
  - 04 Voltage Regulator.
  - 05 NPN Transistor.
  - 06 Zener Diode.
  - 07 Adequate no. of other electronic components.
  - 08 Mains ON/OFF switch, Fuse and Jewel light.
  - 09 The unit is operative on 230VAC  $\pm 10\%$  at 50Hz.
  - 10 Adequate no. of patch cords stackable from rear both ends 2mm 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 : 2.700 Kg. (Approx.)
  - 14 Dimension : W 340 x H125 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