



**OMEGA TYPE ETB-42** Experimental Training Board has been designed specifically for the study of Schmitt's transistor binary circuit. Study of this circuit is useful for digital electronics.

#### OBJECT

Study of schmitt's transistor Binary circuit :

- 01 To find loop gain of the binary circuit and to see the parameters responsible for making the loop gain to 1
- 02 To adjust the loop gain to be less than 1 and to see linear amplification.
- 03 To adjust the loop gain to be slightly greater than 1 and to observe the switching action.

#### FEATURES

The board consists of the following built-in parts :

- 01 0-12V DC at 50mA, continuously variable regulated Power Supply internally connected.
- 02 Two PNP transistors.
- 03 Adequate no. of other electronic components.
- 04 Mains ON/OFF switch, Fuse and Jewel light.
- 05 The unit is operative on 230V  $\pm 10\%$  at 50Hz A.C. Mains.

06 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.

07 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.

08 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

09 Practical experience on these boards carries great educative value for Science and Engineering Students.

10 Weight : 2.00 Kg. (Approx.)

11 Dimension : W340 x H125 X D210

#### OTHER APPARATUS REQUIRED:

- 01 AF Generator OMEGATYPE AO-300
- 02 Decade Resistance Box OMEGATYPE DRBC-115L
- 03 Dual trace CRO 20MHz OMEGATYPE CRO-20

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

**OMEGA ELECTRONICS**