



**OMEGA TYPE ETB-96** Experimental Training Board has been designed specifically for the study of Amplitude Modulation and Demodulation. This training board is based on latest solid state circuits for generating modulating signal, Amplitude Modulation and Demodulation.

Practical experience on this board carries great educative value for Science and Engineering Students.

### OBJECT

To study the process of Amplitude Modulation & Demodulation

- 01 To observe the carrier waveforms on C.R.O.
- 02 To modulate carrier with audio signal and to observe waveforms on C.R.O.
- 03 To measure percentage modulation of the amplitude modulated waveform.
- 04 To demodulate amplitude modulated waveform and observe on C.R.O.

### FEATURES

The board consists of the following built-in parts :

- 01 +9V D.C.at 100mA, IC Regulated Power Supply internally connected.
- 02 Carrier generator circuit which generates carrier wave.
- 03 Modulating circuit based on two transistors.
- 04 Demodulating circuit.
- 05 Adequate no. of other electronic components.
- 06 Mains ON/OFF switch, fuse and Neon Jewel light.

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

- 07 The unit is operative on 230VAC  $\pm 10\%$  at 50Hz.
- 08 Adequate no. of patch cords stackable from rear both ends 2mm 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 : 2.100 Kg. (Approx.)
- 12 Dimension : W 340 x H 125 x D 210

### LIST OF ACCESSORIES:

- 01 Patch cords 4mm length 50cm Red....02
- 02 Patch cords 4mm length 50cm Black..01

### OTHER APPARATUS REQUIRED:

- 01 AF Generator OMEGATYPE AO-300
- 02 Dual trace CRO 20MHz OMEGATYPE CRO-20

**OMEGA ELECTRONICS**