



OMEGA TYPE ETB-113 Experimental Training Board has been designed to study on the modern techniques of Pulse Width Modulation / Demodulation. Using this training board one can know the specialized techniques of Pulse Width Modulation and Demodulation.

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

OBJECT

- 01 To modulate a pulse carrier with sinusoidal signal to obtain a Pulse Width Modulated signal.
- 02 To demodulate the Pulse Width Modulated signal to obtain the modulating signal.

FEATURES

The board consists of the following built-in parts:

- 01 $\pm 6V$ D.C. at 100mA, IC regulated Power Supply internally connected.
- 02 Pulse Train (Carrier) Generator based on timer IC.
- 03 50Hz A.C. sinusoidal modulating signal obtained from stepped down transformer.
- 04 Pulse Width Modulator based on timer.

- 05 Pulse Width Demodulator based on operational amplifier.
- 06 Adequate no. of other electronic components.
- 07 Mains ON/OFF switch, Fuse and Jewel light.
- 08 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 09 Adequate no. of patch cords stackable from rear both ends 2mm spring loaded plug length 50cm.
- 10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 12 Weight : 2.00 Kg. (Approx.)
- 13 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED:

- 01 Dual trace CRO 20MHz OMEGA TYPE 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