



OMEGA TYPE ETB-114 Experimental Training Board has been designed specifically for the study of Pulse Position Modulation and Demodulation. Using this training board one can know the specialized techniques of Pulse Position Modulation and Demodulation.

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

OBJECT

- 01 To modulate a pulse train (carrier) with a sinusoidal signal and to obtain a Pulse Position Modulated signal.
- 02 To demodulate a Pulse Position Modulated signal to recover 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 50 Hz A.C. sinusoidal modulating signal obtained from stepped down transformer.
- 04 Pulse Position Modulating circuit based on IC.
- 05 Demodulating circuitry based on an IC and transistors.
- 06 Adequate no. of other electronic components.
- 07 Mains ON/OFF switch, Fuse and Jewel light.
- 08 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains
- 09 Adequate no. of patch cords stackable from rear both ends 2mm spring loaded plug length $\frac{1}{2}$ metre.
- 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 : 1.900 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