

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
 - * The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains
 - * Adequate no. of patch cords stackable from rear both ends 2mm spring loaded plug length $\frac{1}{2}$ metre
 - * Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms
 - * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References

Other Apparatus Required:

- * Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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