



Experimental Training Board has been designed specifically for the study of Amplitude Modulation and Demodulation, using a tuned triode power amplifier circuit and diode.

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

Object:

01. To study Amplitude Modulation using a tuned triode power amplifier.
02. To study Demodulation of A.M. signal using a diode.

Features:

The board consists of the following built in parts :

01. 175 V D.C. at 10 mA, Unregulated Power Supply for Anode of triode valve.
 02. 6.3 V A.C. at 400 mA, supply for filament of the triode valve.
 03. D.C. Milliammeter, 65mm rectangular dial to read 10 mA for monitoring plate current.
 04. A valve with 9 Pin base fixed on panel and wired internally.
 05. Carrier frequency source of 200 KHz.
 06. Modulation signal source of 400 Hz.
 07. Audio Modulation transformer.
 08. Ferrite core tuned R.F. transformer.
 09. Demodulating circuit.
 10. Adequate no. of other electronic components.
 11. 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 4mm spring loaded plug length ½ 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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