Order Code - 40501
Amplitude Modulation and Demodulation

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

Experiments:

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

- The unit is operative on 230V ±10% at 50Hz A.C. Mains
- Adequate no. of patch cords stackable from rear both ends 2mm 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:

- Decade Audio Frequency Generator Order Code - 16902
- Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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