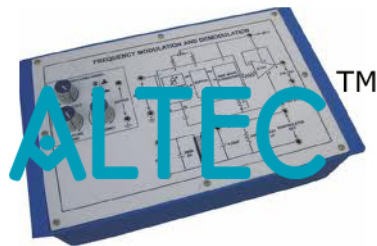


Product Name :
Frequency Modulation & Demodulation**Product Code :**
ALABS-A36-046**Description :****Frequency Modulation & Demodulation**

has been designed specifically for the study of frequency modulation and demodulation. Practical experience on this board carries great educative value for science and engineering students. Object:

- To observe the effect of D.C. voltage on frequency of carrier waveform
- To frequency modulate the carrier with Audio signal, observe F.M. waveform on C.R.O., and measure its modulation index
- To demodulate the F.M. signal and observe the output on C.R.O.
- To plot the characteristics curve of the slope detector demodulating circuit

Features:

The board consists of the following built in parts:

- $\pm 12V$ D.C. at 100 mA, IC Regulated Power Supply

- Carrier generator circuit which generates the carrier signal
- Audio frequency modulating signal
- Variable D.C. is provided to see the frequency deviation in carrier frequency
- Frequency Modulation circuit with buffer stage at the output
- Demodulating circuit
- Adequate no. of other electronic components
- 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 $\frac{1}{2}$ 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
- Weight : 3 Kg. (Approx.)
- Dimension : W 340 x H 110 x D 210



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