NAUGRA®

Product name:	**Product code:**
Frequency Modulation & Demodulation	Communication0003



Description

Frequency Modulation & Demodulation

Technical specification

- 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 ±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
- Weight : 3 Kg. (Approx.)
- Dimension : W 340 x H 110 x D 210

Frequency Modulation & Demodulation

Experimental training board 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:

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- 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. singal 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:

- ± 12V D.C. at 100 mA, IC Regulated Power Supply
- Carrier generator circuit which generates the carrier signal