Phone: +91-9896600003

Email: sales@naugralabequipments.com

#### **Product Name:**

Frequency Modulation and Demodulation Trainer

#### **Product Code:**

NLAB-EDUSCHOOLEQ198002



## **Description:**

Frequency Modulation and Demodulation Trainer

## **Technical Specification:**

Frequency Modulation and Demodulation Trainer

FM Transmitter and Receiver Trainer has been designed with a view to provide practical and experimental knowledge of Frequency Modulation & Demodulation Trainer technique as practically implemented in Analog Communication system on a SINGLE P.C.B. of size 300 x 400 mm.

## Object:

To Study Theory of Frequency Modulation & Demodulation:

Frequency Modulation via varactor / reactance Modulation

Frequency Demodulation via Detuned Resonant/Ratio/Quadrature/Foster - Seeley/Phase locked loop detector

Separate VCO circuit to demonstrate FM waveform

#### Feature:

The board consists of the following built-in parts:

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8 Nos.

On Board Amplitude limiter with Amplitude control.

Input - Output and Test points provided on board.

A self contained Trainer.

Effect of noise on the detection of FM signal may be investigated.

Best Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.

Supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

Cathode Ray Oscilloscope 20MHz.

Patch Cords

# **Naugralabequipments**

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