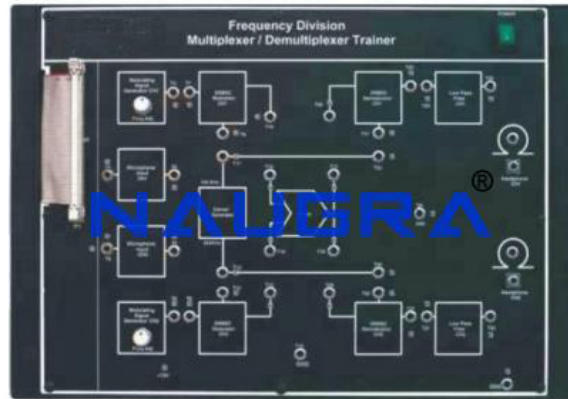


**Product Name :**  
FDM Trainer

**Product Code :**  
NLAB-ELECTRONICSAB160014



**Description :**

FDM Trainer

**Technical Specification :**

**LIST OF EXPERIMENTS:**

Study of Carrier Frequency Generation.

Study of DSBAM Generation Circuit.

Study of DSBAM Demodulation Circuit.

Study of Generation of Frequency Division Multiplexer signal.

Study of Generation of Frequency Division De-multiplexer signal

**SPECIFICATIONS:**

Sine Wave Generator

Two Nos. of Sine Wave generators Provided.

Independent Switch selection of 10Hz, 100 Hz, 1 KHz, & 10 KHz.

Provision for Amplitude adjustments provided.

Provision for Frequency adjustments provided

Carrier Generator

Fixed Sine Wave Generators of 100 KHz and 200 Khz

On-board features

Two Nos. of DSB-SC Modulator.

Summing Amplifier provided

Two Nos. of Balanced De-modulator.

Audio input & output amplifier.

Two 2nd order Butterworth Low pass filter with cut off frequency of 10 Khz.

Block Description Screen printed on glassy epoxy PCB

Interconnections

All interconnections are made using 2mm banana Patch cords

Test points are provided to analyze signals at various points.

All ICS are mounted on IC Sockets.

Bare board Tested Glass Epoxy SMOBC PCB is used.

In-Built Power Supply of +5V/1.5A,  $\pm 12V/250mA$  with Power ON indication

Attractive enclosure.

Set of 2mm Patch cords for interconnections.

User's Manual with sample experiments programs

## Naugralabequipments

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