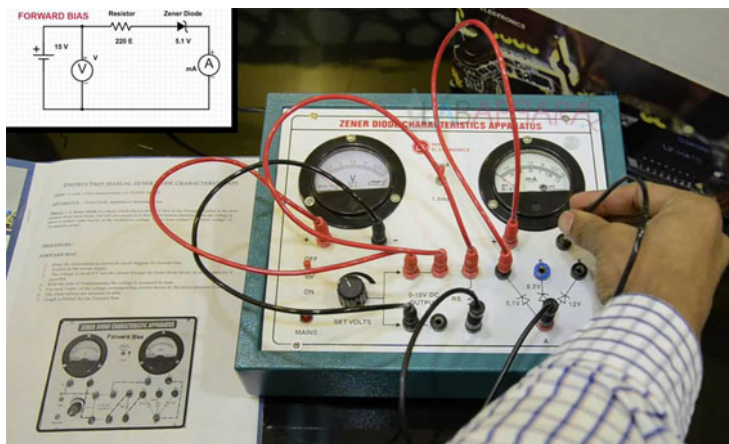


Frequency Division Multiplexer & Demultiplexer



Product Categories: [Basic Communication Lab](#), [Engineering Equipment](#)

Product Page:

<https://www.labappara.com/product/frequency-division-multiplexer-demultiplexer/>

Product Description

Frequency Division Multiplexer & Demultiplexer

Frequency Division Multiplexer/Demultiplexer Trainer Salicon demonstrates FDM technique.

It basically fulfills the need for communication of two different inputs through a single channel by Frequency Division Multiplexing method. It has the provision for on board modulating signal. For reducing the complexity same carriers are used for demodulation also.

In actual FDM communication method carrier is obtained through the modulated output only.

But the basic concept remains the same. DSB-SC modulation technique is used for modulation and demodulation.

Features:

A self contained Trainer

Functional blocks indicated on board mimic

Input-output and Test Points provided onboard

Built in DC Power Supply

Fully documented student work book & operating manual

Two variable modulating (sinusoidal) input channels with provision of voice inputs

Two Carrier Generators

Two DSBSC modulators for frequency band translation of two test signals

One adder/transmission amplifier

Two Demodulators

Two low pass filters for smooth output

2 Sets of audio O/P amplifier

Compact size

2 Year Warranty