

Product Name :

Frequency Division Multiplexing/ Demultiplexing Trainer for
Communication Teaching Labs

Product Code :

COM-TR-07

**Description :**

Frequency Division Multiplexing/ Demultiplexing Trainer - Frequency Division Multiplexing/ Demultiplexing Trainer - Frequency

Division MUX-DEMUX- Trainer :compact and user friendly learning platforms to provide a modern, portable, comprehensive and practical way to learn Technology. Each TechBook is provided with detailed Multimedia learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information. Frequency Division Multiplexer/Demultiplexer TechBook Scientech 2211 demonstrates FDM technique. It basically fulfills the need for communication of two different inputs through a single channel by Frequency Division Multiplexing method. 2211 has the provision for onboard modulating signal as well as voice input. 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.

Self contained and easy to operate

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

Two DSBSC modulators for frequency band translation of two test signals

Two Carrier Generators

Two sets of audio input amplifier

One adder/transmission amplifier

Two Demodulators

Two low pass filters for smooth output

2 Sets of audio O/P amplifier

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