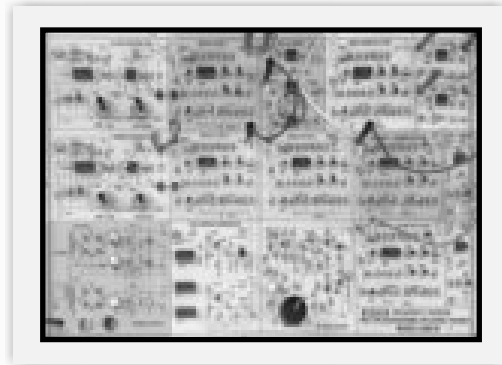




FREQUENCY DIVISION MULTIPLEXING/ DEMULPLEXING TRAINER MODEL - COM128

This trainer has been designed with a view to provide practical and experimental knowledge of 2 channels Frequency Division Multiplexing / Demultiplexing using multiplier technique on two SINGLE P.C.B.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply : +15V, -15V, +5V.
3. On Board AF Modulating signal generator - Sine wave
Frequency Range : 300 Hz to 3.4 KHz - 2 Nos.
Amplitude : 0 to 5 Vpp.
4. On Board Main RF carrier signal generator.
Frequency Range : 200 KHz to 1 MHz.
Amplitude : 0 to 10 Vpp.
5. On Board Sub-carrier signal generator.
Frequencies : 16 KHz and 32 KHz.
Amplitude : TTL level.
6. On Board Pilot signal generator : 4 KHz.
7. Multiplexer Type : Balanced modulators and Band pass filters.
8. Demultiplexer Type : Balanced modulators and Band pass filters.
9. Standard Accessories : 1. Experimental and Circuit Description Manual.
2. Connecting Patch cords.

EXPERIMENTS

1. To study theory of FDM.
2. To multiplex two audio signals using FDM to DSB-SC FDM signal
3. To demultiplex DSB-SC FDM signal and recover audio signals.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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Dealer:-