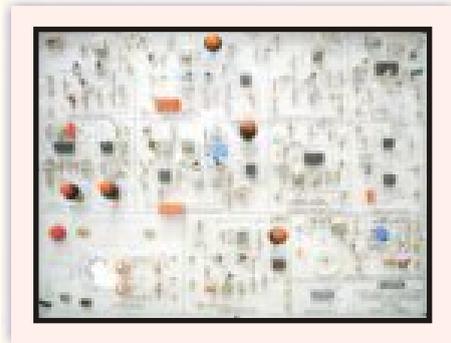




FREQUENCY MODULATION/ DEMODULATION TRAINER

MODEL- COM104

This trainer has been designed with a view to provide practical and experimental Knowledge of Frequency Modulation / Demodulation technique on a SINGLE P.C.B.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On Board AF Modulating signal generator - Sine wave
Frequency Range : 300 Hz to 3.4 KHz
Amplitude : 0 to 5Vpp.
4. Modulator Type : Reactance Modulator and Varactor Modulator
5. Demodulator Type : Detuned Resonant Detector
Quadrature Detector
Foster -Seeley Discriminator
Ratio - Detector
Phase Locked Loop Detector
6. Low Pass Filter/Amplifier : 3.4 KHz. Cut off Frequency with adjustable gain
7. Amplitude Limiter : 1 Nos
8. All parts are soldered on single pin TAGS on single PCB with complete circuit diagram Screen-printed.
8. Standard Accessories : 1. A Training Manual
2. Connecting Patch cords.

EXPERIMENTS

1. To study theory of Frequency Modulation & Demodulation.
2. To generate FM signal using Reactance modulator.
3. To generate FM signal using Varactor modulator.
4. To demodulate FM modulated signal using 5 Different types of Demodulator

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:-