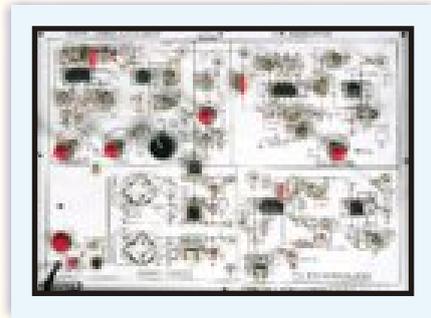




# FREQUENCY MODULATION/ DEMODULATION TRAINER

MODEL- COM104L

This trainer has been designed with a view to provide practical and experimental Knowledge of Frequency Modulation / Demodulation technique on a SINGLE PCB of size 12 "x 9".



## 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 : 1KHz  
Amplitude : 0 to 2 V-pp.
4. On Board RF carrier signal generator.  
Frequency : 455KHz.
8. Modulator Type : Reactance and Varactor diode modulator
9. Demodulator Type : Phase lock loop (PLL) detector.
10. All parts are soldered on PCB of size 12" x 9" with complete circuit diagram screen-printed.
11. 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 using Phase lock loop (PLL) detector.
5. To see the effect on FM modulated output by varying the amplitude and frequency of modulating Signal.
6. To see the effect on FM modulated output by varying the frequency of carrier signal.

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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