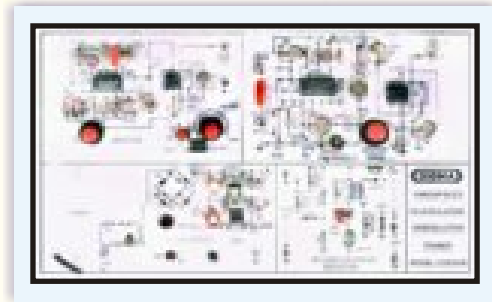




# RESONANT PHASE DETECTOR FM MODULATION/DEMODULATION MODEL - COM104E

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 : 1KHz  
Amplitude : 0 to 5 Vpp.
4. Modulator Type : Varicap Diode modulator
5. Demodulator Type : Resonant Phase Detector.
6. Standard Accessories : 1. A Training Manual.  
2. Connecting Patch cords.

## EXPERIMENTS

1. To study theory of Frequency Modulation & Demodulation.
2. To generate F.M. signal using Varicap diode.
3. To observe frequency deviation of FM signal.
4. To demodulate FM signal using Resonant Phase Detector.

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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