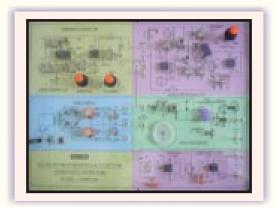
STUDY OF FM GENERATION & DETECTION SIGMA (Using Ratio Detector)

MODEL COM413N

This trainer has been designed with a view to provide practical and experimental Knowledge of FM Transmitter & Receiver technique on a SINGLE P.C.B.



SPECIFICATIONS

Audio Oscillator 1.

2.

3.

4.

- With adjustable Amplitude & Frequency (300 Hz 3.4 Khz) Varactor Modulator :
- Variable from 3.8 to 4.2MHz. FM Carrier Frequency : One No.

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- Mixer Amplifier :
- 5. FM Demodulator

FM Modulator

- Low Pass Filter/Amplifier : 6.
- 7. Standard Accessories
- Ratio Detector -4.0Mhz 3.4 KHz. Cut off Frequency with adjustable gain
- 1. A Training Manual. :
 - 2. Connecting Patch cords.

EXPERIMENTS

- To generate FM signal using Varactor diode Modulator. 1.
- 2. To observe different FM modulation waveforms and sketch them
- 3. To detect FM signal using Ratio detector.
- To draw S-Curve for ratio defector 4.

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