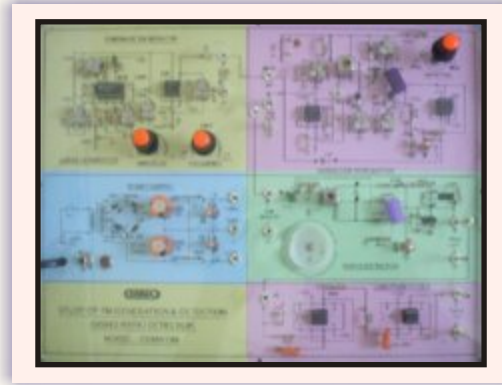




STUDY OF FM GENERATION & DETECTION (Using Ratio Detector)

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

- | | | | |
|----|---------------------------|---|--|
| 1. | Audio Oscillator | : | With adjustable Amplitude & Frequency (300 Hz - 3.4 KHz) |
| 2. | FM Modulator | : | Varactor Modulator |
| 3. | FM Carrier Frequency | : | Variable from 3.8 to 4.2MHz. |
| 4. | Mixer Amplifier | : | One No. |
| 5. | FM Demodulator | : | Ratio - Detector -4.0Mhz |
| 6. | Low Pass Filter/Amplifier | : | 3.4 KHz. Cut off Frequency with adjustable gain |
| 7. | Standard Accessories | : | 1. A Training Manual.
2. Connecting Patch cords. |

EXPERIMENTS

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

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

Sigma Trainers and Kits
E-113, Jai Ambe Nagar,
Near Udgam School,
Thaltej,
AHMEDABAD - 380054.
INDIA.

Phone(O): +91-79-26852427/ 26850829
Phone(F): +91-79-26767512/ 26767648
Fax : +91-79-26840290/ 26840290
Mobile : +91-9824001168
Email : sales@sigmatrainers.com
: sigmatrainers@sify.com
Web : www.sigmatrainers.com

Dealer:-