



Technical Specifications

Audio Oscillator	: With adjustable Amplitude & Frequency (300 Hz - 3.4 KHz)
FM Modulator	: 2 Nos. 1) Reactance Modulator (with carrier Frequency adjustment) 2) Varactor Modulator (with carrier Frequency adjustment)
Mixer/Amplifier	: 1 No. (With Gain adjustment) Allows FM input signal to be amplitude modulated by a noise input prior to demodulation.
Transmitter output Freq	: 455 KHz
FM Demodulator	: 5 Nos. 1) Detuned Resonant Detector 2) Quadrature Detector 3) Foster-Seeley Detector 4) Ratio - Detector 5) Phase Locked Loop Detector
Low Pass Filter	: 3.4 KHz Cut off Frequency Amplifier (with adjustable gain)
Amplitude Limiter	: 1 No.
Switched Faults	: 8 Nos.
Interconnections	: 4 mm banana sockets
Test points	: 74
Power Supply	: 220 V \pm 10 %, 50 Hz / 60 Hz on request
Power Consumption	: 3 VA (approx.)
Accessories	: Line cord, Manual, Set of patch cords

- On-board Audio Oscillator, Modulators, Detectors, Amplitude Limiter & Filter

Experiments that can be performed

- Study of 2 types of FM modulators & 5 different types of demodulators
- Effect of noise on FM transmission & Study of tuned circuits
- Separate VCO circuit to demonstrate FM Waveforms

Note: Specifications are subject to change.

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