



Technical Specifications

Construction : Superhetrodyne

Freq. Range : 980 KHz to 2060 KHz

Intermediate Frequency : 455 KHz

Input Circuits :

- 1) RF Amplifier
- 2) Mixer
- 3) Local Oscillator
- 4) Beat Frequency Oscillator
- 5) IF Amplifier 1
- 6) IF Amplifier 2

Tuning : With Variable Capacitor (ganged) Dial marking on Board

Receiving media : Telescopic Antenna / Cable

Detectors:

- 1) Diode Detector (For DSB)
- 2) Product Detector (SSB)

Audio Output : Amplifier with Speaker

Automatic Gain control : Switchable

Switched Faults : 8 Nos.

Interconnections : 4 mm Banana Sockets

Test points : 50

Power Supply : 220 V \pm 10 %, 50 Hz / 60 Hz onrequest

Power Consumption : 3 VA (approx.)

Dimensions (mm.) : W 340 \times D 241 \times H 105

Weight : 2.8 Kg (approx.)

Accessories : Line cord, Manual, Set of patch cords

- ▣ Variable capacitor tuning
- ▣ On-board LO, BFO, RF Amp, Mixer, IF Amps., Detectors, Audio output Receiving Antenna, AGC & Speaker

Experiments that can be performed

- Study of DSB & SSB AM reception & detection by diode / product detectors
- Study of AGC
- Study of Receiver tuned circuits
- Study of Sensitivity, Selectivity & Fidelity of Receiver

