



SUPERHETERODYNE RADIO RECEIVER TRAINER

MODEL - RDM100S

This trainer has been designed with a view to provide practical and experimental knowledge of a general circuit of Superheterodyne radio on Single PCB of size 12"x 9".



SPECIFICATIONS

1. Power supply : 220V Ac, 50Hz
2. Audio power output : 450mw maximum.
3. Frequency range : MW - 520 - 1620 Khz.
4. Intermediate Frequency : 455 KHz
5. Input Circuits : 1) RF Amplifier, 2) Mixer, 3) Local Oscillator,
4) IF Amplifier 5) Tuning : With Variable Capacitor (ganged)
6) detector with AGC control

EXPERIMENTS

1. Block Diagram and working principle
2. Terms, definitions and signal nomenclature
3. Study of Frequency converter stage
4. Study of IF amplifier stage
5. Study of detector and AGC stage
6. Study of Audio driver & Output stage
7. Study of Power supply stage
8. Measurement of Test point voltages
9. Observation of Test point waveforms
10. Testing Methods
11. Alignment Methods
12. Fault Creation and demonstration
13. Fault Finding Methods

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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Dealer:-