



**Stereo FM Radio Trainer** is designed to cover the fundamental aspects of the subject. This is Student friendly and self contained, having all the basic required circuits and control on board. FM detection is described in the manual and covered in the experiments. Student trouble shooting work is included through switched faults in this trainer. This forms a complete training package of Stereo FM Radio trainer.

- ◆ A self contained trainer with built in power supply
- ◆ Functional block indicated on board mimic
- ◆ Various test points provided on board
- ◆ Switch fault are provided to study different effects on circuit
- ◆ Operation manual provided
- ◆ Complete FM Stereo Receiver with on board stereo
- ◆ Signal (LED) indicator
- ◆ Capable of receiving signal between 88 to 108 Mhz
- ◆ On board dual Speaker to identify signal for L and R channel separately

#### Technical Specifications

<b>Construction</b>	: Super Heterodyne
<b>Tuning Range</b>	: 88 MHz to 108 MHz
<b>Inter Mediate Frequency</b>	: 10.7 MHz
<b>Pilot Frequency</b>	: 19 KHz
<b>Circuit Block</b>	: 1. FM Detector 2. Stereo Detector 3. Stereo Pre-Detector 4. Audio Power Amplifier
<b>Tuning</b>	: With variable capacitor (Gang) dial marking on board.
<b>Receiver Media</b>	: Telescopic Antenna
<b>Amplifier</b>	: Class B Amplifier
<b>Audio Output</b>	: (10 W +10 W) 20 W
<b>Speaker</b>	: 8W (2 Nos.)
<b>Switch Fault</b>	: 4 Nos.
<b>Test Points</b>	: 17 Nos.
<b>Power Supply</b>	: 220 V $\pm$ 10 %, 50 Hz / 60 Hz on request
<b>Power Consumption</b>	: 4.47 VA (approx.)
<b>Fuse</b>	: 350 mA
<b>Inter Connections</b>	: 2 mm Banana Insert

Note: Specifications are subject to change.

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