Product name:	Product code:
AM- FM Radio Trainer	Consumer0005

Description

AM- FM Radio Trainer

Technical specification

FM radio section:

- Tuning range: 88 MHz – 108 MHz
- If frequency: 10. 7 MHz
- tracking: + – 5 db from 90 MHz to 106 MHz
- Detector: uses ratio detector and full time auto frequency control
- – 10 db signal to noise at 12 microvolt typical

Nine sections:

- Audio amplifier circuit
- AM detector circuit
- Am if circuit
- AM amplifier circuit
- AM mixer and oscillator circuit
- AM detector circuit
- First FM if amplifier circuit
- Second FM if amplifier circuit
- FM radio frequency stages

AM- FM Radio Trainer

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- These have components placed over their corresponding symbols in the schematic drawing on the surface of the printed circuit board that ensure easy learning process and explain theory of operation of the radios
- Customized versions
- Provided with high quality printed circuit board with schematic printed on the surface.
- Trainer forms a “superheterodyne” receiver of standard am (amplitude modulation) and FM (frequency modulated) broadcast frequencies

Object:

- To study AM radio receiver
- To study FM radio receiver

Specifications:

AM radio section:

- Tuning range : 520 kHz – 1620 kHz
- If frequency : 455 kHz
- Tracking : + – 3 db from 700 kHz to 1400 kHz
- 10 db signal to noise at 200 microvolt typical