

Product Name :

AM & FM Radio Trainer & Trainer Kit for Vocational Training and Didactic Labs

Product Code :

CON-005-NE



Description :

Equipment for Education, Engineering and Vocational Training - AM & FM Radio Trainer - AM/FM Radio Trainer Kit has components placed over their corresponding symbols in the schematic drawing on the surface of the printed circuit board thereby maximizing the learning process and explain theory of operation of the radios. The radios are constructed in sections with each section being completely tested before moving on to the next, reducing difficult troubleshooting associated with some other kits. Trainer includes a high quality printed circuit board with schematic printed on the surface. The manual is easy to understand and assumes no previous electronics knowledge. Trainer forms a "Superheterodyne" receiver of standard AM (amplitude modulation) and FM (frequency modulated) broadcast frequencies.

Object:

01. To Study AM RADIO RECIVER

02. To Study FM RADIO RECIVER

Specifications:

(1) 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

(2) 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

(3) NINE SECTIONS:

Audio Amplifier Circuit

AM Detector Circuit

AM IF Circuit

AM Amplifier Circuit

AM Mixer and Oscillator Circuit

FM Detector Circuit
First FM IF AMPLIFIER Circuit
Second FM IF AMPLIFIER Circuit
FM Radio Frequency Stages
(4) Other:
Test Points : 15 Numbered as TP1 to TP15
Trainer is complete with : Ear Phone & Operational/ Instruction Manual.
Loud speaker on panel
Operative Voltage :
9Volt DC Battry (Provided)
9V DC Power Adaptor (Provided)

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