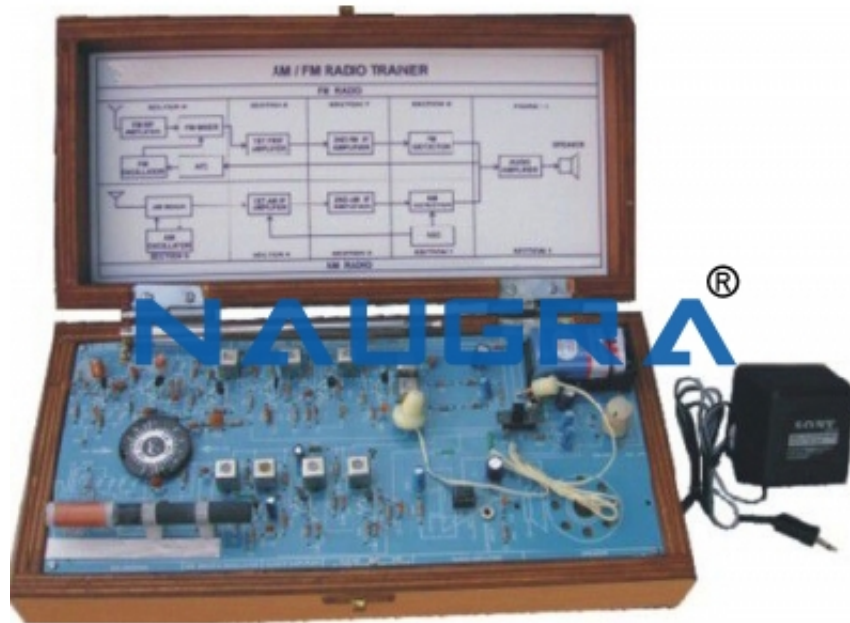


Product Name :
AM/ FM Radio Trainer

Product Code :
NLAB-ELECTRONICSAB210029



Description :

AM/ FM Radio Trainer

Technical Specification :

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 RECEIVER

02. To Study FM RADIO RECEIVER

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 Battery (Provided)

9V DC Power Adaptor (Provided)

Naugralabequipments

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