



# FM COMMUNICATION TRAINER

## MODEL - FMCOM100

This trainer has been designed with a view to provide practical & experimental knowledge of a general circuit of FM Communication on a SINGLE P.C.B.



### SPECIFICATIONS

1. Sine wave generator : with amplitude adjustable from 0-4 Vpp  
with frequency adjustable from 0.1 to 10KHz
2. VCO1 : Output signal sine  
Input : Modulating signal  
Frequency 400KHz to 1500 KHz Amplitude adjustable from 0 -2 Vpp
3. VCO2 : Output signal sine  
input : Modulating signal or Marker  
Frequency switching on two ranges : 400 KHz to 500 KHz and 500 KHz to 1500 KHz adjustable amplitude from 0 -2 Vpp
4. RF Detector, Balance modulator with adjustable carrier null, ceramic filter, LPF, PLL Detector.
5. Power : 230V, 50Hz
6. Test points
7. Accessories : 1. A Training Manual.

### EXPERIMENTS

1. To Generate FM Signal Using FM Modulator
2. To Demodulate FM Signal Using Phase Lock Loop (PLL) Detector

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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