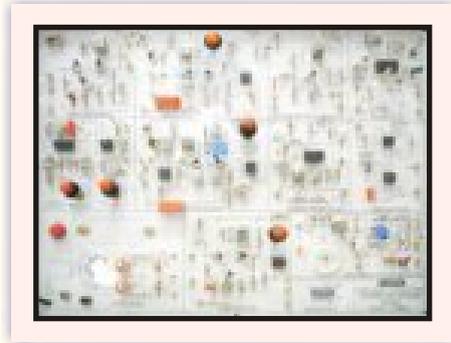




# FM MODULATION/DEMODULATION USING ARMSTRONG METHOD

MODEL- COM104K

This trainer has been designed with a view to provide practical and experimental Knowledge of Frequency Modulation / Demodulation technique on a SINGLE P.C.B.



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On Board AF Modulating signal generator - Sine wave  
Frequency Range : 1KHz  
Amplitude : 0 to 5Vpp.
4. On board Carrier Signal Generator
5. On board Integrator
6. Modulator Type : Balanced Modulator
7. Demodulator Type : Phase Locked Loop Detector and Low pass Filter
8. All parts are soldered on single pin TAGS on single PCB with complete circuit diagram Screen-printed.
9. Standard Accessories :
  1. A Training Manual
  2. Connecting Patch cords.

## EXPERIMENTS

1. To study theory of Frequency Modulation & Demodulation.
2. To generate FM signal
3. To demodulate FM modulated signal using Phase Lock Loop Detector

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

**Sigma Trainers and Kits**  
E-113, Jai Ambe Nagar,  
Near Udgam School,  
Thaltej,  
AHMEDABAD - 380054.  
INDIA.

**Phone(O): +91-79-26852427/ 26850829**  
**Phone(F): +91-79-26767512/ 26767648**  
**Fax : +91-79-26840290/ 26840290**  
**Mobile : +91-9824001168**  
**Email : sales@sigmatrainers.com**  
**: sigmatrainers@sify.com**  
**Web : www.sigmatrainers.com**

**Dealer:-**