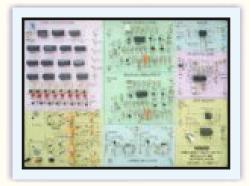# SIGMA

ASK, FSK, PSK MODULATION DEMODULATION TRAINER

MODEL - COM114-16

This trainer has been designed with a view to provide practical / experimental knowledge of ASK/FSK/PSK Modulation/Demodulation technique as practically implemented in Digital Communication systems on a SINGLE P.C.B.

SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in Gaussian Noise generator source.
3. On Board Digital Data generator to generate to any binary input word with Bit clock & Word clock.
   Word Length : 8 Bits.
   Word Clock Frequency : 8 KHz
   Data Format : NRZ
4. On Board Carrier Oscillators
   Frequencies Range : 320KHz & 640KHz.
5. Modulator Type : Balanced modulator
6. Demodulator Type : Balanced Modulator, Diode Detector & Squarer.
8. All parts soldered on single PCB of size 14″ X 11″ with complete circuit diagram Screen Printed.
9. Standard Accessories : A Training Manual
   Connecting Patch cords.

EXPERIMENTS

1. To study theory of ASK, FSK, PSK Modulation & Demodulation.
2. To Study Block diagram of ASK, FSK, PSK Modulation & Demodulation.
3. To generate and Demodulate ASK signal.
4. To generate and Demodulate FSK signal.
5. To generate and Demodulate PSK signal.

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