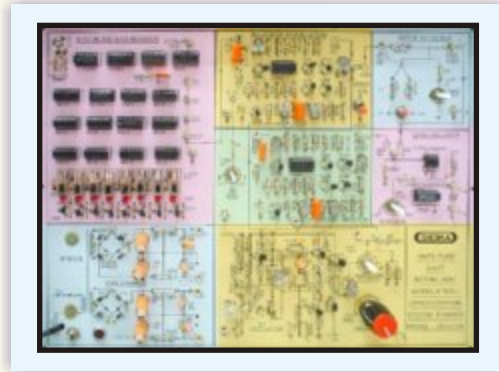




# AMPLITUDE SHIFT KEYING MODULATION/ DEMODULATION TRAINER

## MODEL - COM114M

This trainer has been designed with a view to provide practical/experimental knowledge of A.S.K. 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 IC based power supply.
3. On Board Modulating Digital Data signal generator to generate any binary input word with Bit clock & Word Clock.  
Word Length : 8 Bits.  
Word Clock Frequency : 8 KHz to 12 KHz.  
Data Format : NRZ
4. On Board RF carrier signal generator.  
Frequency Range : 100 KHz to 1 MHz.  
Amplitude : 0 to 10 Vpp.
5. Modulator Type : Balanced modulator.
6. Demodulator Type : Diode detector.
7. All parts are soldered on single pin TAGS on single PCB of size 12" x9" with complete circuit diagram Screen-printed in multi colour.
8. Standard Accessories :
  1. A Training Manual.
  2. Connecting Patch cords.

### EXPERIMENTS

1. To generate ASK (Amplitude Shift Keying) signal by modulating with NRZ data
2. To demodulate ASK signal by Diode 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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