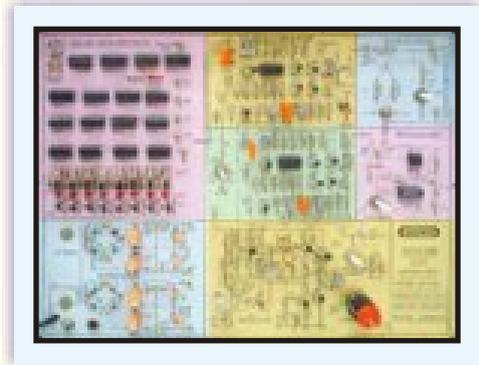




# AMPLITUDE SHIFT KEYING MODULATION/ DEMODULATION TRAINER

MODEL - COM114L

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.  
Data Format : NRZ
4. On Board RF carrier signal generator.  
Frequency Range : 100 KHz.  
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.
8. Standard Accessories :
  1. A Training Manual.
  2. Connecting Patch cords.

## EXPERIMENTS

1. To study theory of ASK Modulation & Demodulation.
2. To generate ASK signal using Product multiplier.
3. To demodulate ASK signal using Diode detector (Envelope detector) and to see the effect of different RC time constant on demodulated output.

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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**Dealer:-**