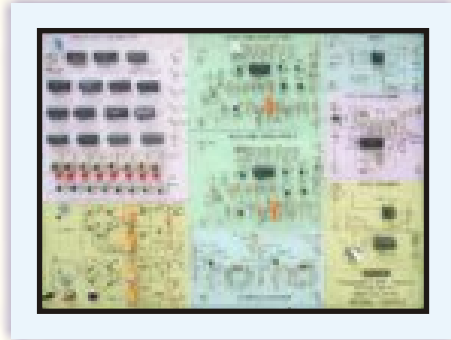




# FREQUENCY SHIFT KEYING MODULATION/ DEMODULATION TRAINER

MODEL - COM115M

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



## 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 : 10 KHz  
Data Format : NRZ
4. FSK frequencies : 640KHz for 1 level  
320KHz for 0 level
5. Modulator Type : Using Two ASK
6. Demodulator Type : PLL
7. All parts are soldered 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 FSK Modulation & Demodulation.
2. To generate FSK signal using ASK.
3. To demodulate using PLL FM detector.
4. To observe FSK modulated output for different input binary codes.

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