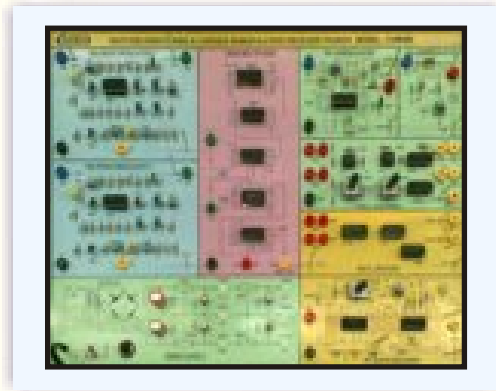




# DATA REFORMATTING AND CARRIER DEMODULATION RECEIVER TRAINER

MODEL-COM206L

This trainer has been designed with a view to provide practical / experimental knowledge of different types of Digital carrier Demodulation technics and data formatting technics 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 : + 15V, -15V, + 5V, -5V
3. Types of Keying : ASK, FSK, PSK, QPSK
4. Demodulator Type : ASK Demodulator, FSK Demodulator, PSK Demodulator, QPSK Demodulator
5. Data Squarer and Data decoder section.
6. Bit Clock recovery using PLL.
7. Data Decoding Formats : NRZ(L), NRZ(M), Bipolar NRZ, RZ, Bipolar RZ, NRZ(S) Biphase (Manchester), Biphase (Mark), Biphase (Space), Ternary, RB, AMI
8. Standard Accessories : Experimental and Circuit Description Manual. Connecting Patch cords.

## EXPERIMENTS

1. Study of Carrier Demodulation Techniques - ASK, FSK, PSK & QPSK.
2. Study of conversion of other data formats to NRZ data  
NRZ (L), NRZ (M), Bipolar NRZ, RZ, Bipolar RZ, NRZ (S), Biphase (Manchester), Biphase (Mark), Biphase (Space), Ternary, RB, AMI

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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