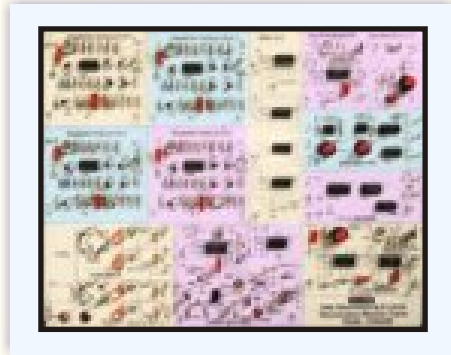




# DATA RECONDITIONING AND CARRIER DEMODULATION RECEIVER TRAINER

## MODEL-COM206Z

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.



### FEATURES

1. Data Reconditioning format: NRZ(L), NRZ(M), NRZ(S), Biphase (manchester), Biphase (mark), Biphase (Space), Return to zero(RZ), Alternate mark, Inversion (AMI)
2. ASK, FSK, PSK carrier demodulation techniques
3. Receiver clock generate by phase lock loop
4. Various test points provided on-board.
5. Switch Faults

### SPECIFICATIONS

1. Data format (Decoding) : NRZ (level), NRZ (Mark), NRL (Space), Biphase (Manchester), Biphase (Mark), Biphase (Space), RZ
2. Carrier demodulation : ASK, FSK, PSK
3. Receiver Clock : Generated by Phase Lock Loop.
4. Interconnection : 2mm Banana Socket.
5. 4 pin Connector for audio output
6. Built-in Gaussian Noise Generation and Matched Filter
7. Switch faults : 4 Switch Faults are provided on board to study different effects on circuit.
8. TEST POINTS : 30 Nos. Test points are provided to observe various intermediate signals.
9. Power Supply : GND, +5V, +12V, -12V.

#### ACCESSORIES:

- Red short link (10") : 06 Nos.
- Red Long link (20") : 05 Nos.
- Crocodile links : 02 Nos.
- Circuit description manual : 01 No.
- Power supply : 01 No.
- AI/O Audio Input/Output kit

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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