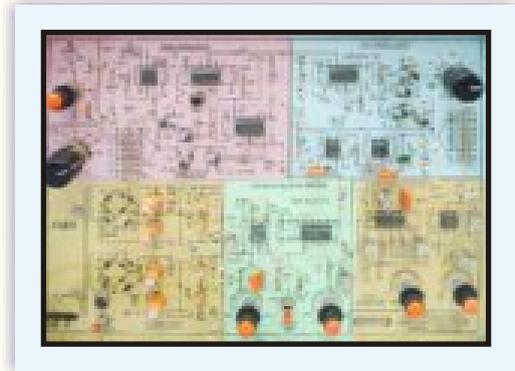




# DELTA MODULATION DEMODULATION TRAINER WITH NOISE MEASUREMENT

MODEL - COM111Z

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



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. On Board Modulating Sine wave signal generator  
Frequency Range : 300 Hz to 3.4 KHZ  
Amplitude : 0 to 5Vpp.
3. On Board Sampling Pulse signal generator  
Frequency : 50KHz to 500KHz  
Pulse width : Variable.
4. Step Size : 8mV to 34mV.
5. Gaussian Noise Generator : 0 to 1Vrms variable amplitude.
6. Modulator Sections : Comparator, S/H and Integrator.
7. Demodulator Sections : Integrate and Dump Filter, Low Pass Filter.
8. All parts are soldered on single PCB with multicolor Section wise blocks and complete circuit diagram Screen-printed with true value of part. The PCB provided with multi-colour 2mm Testing points and acrylic cover for safety in wooden box.
9. Standard Accessories :
  1. A Training Manual.
  2. Connecting Patch cords.

## EXPERIMENTS

1. To study theory of Delta Modulation & Demodulation
2. To generate DM signal and demodulate them
3. To measure Signal to Noise Ratio using Selective level meter or Spectrum analyzer.

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:-**