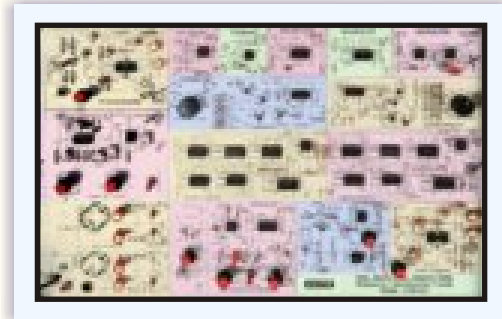




# ADAPTIVE DELTA MODULATION DEMODULATION TRAINER WITH NOISE MEASUREMENT

MODEL- COM113Z

This trainer has been designed with a view to provide practical and experimental knowledge of Adaptive Delta Modulation /Demodulation.



## 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 5 Vpp.
3. On Board Sampling Pulse signal generator  
Frequency : 10 KHz to 1MHz in two ranges  
Pulse width : Variable.
4. On Board variable DC power supply : 0 to + 5 VDC
5. Step Size : 2mV to 72mV.
6. Gaussian Noise Generator : 0 to 1Vrms variable amplitude.
7. Modulator Sections : Comparator, S/H and Integrator.
8. Demodulator Sections : Integrator, Low Pass Filter - Cut off fre. - 3.4 KHz.
9. Matched Filter : Integrate and Dump Filter
10. 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.
11. Standard Accessories :
  1. A Training Manual.
  2. Connecting Patch cords.

## EXPERIMENTS

1. To study theory of Adaptive 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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