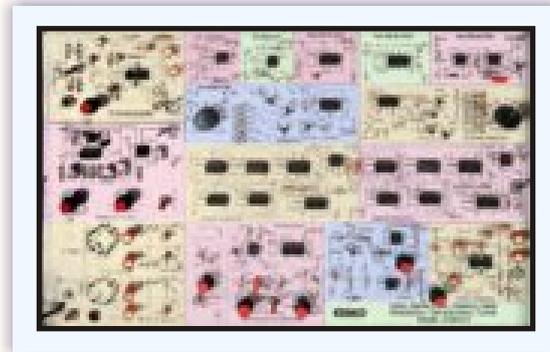




# DELTA & ADAPTIVE DELTA MODULATION / DEMODULATION TRAINER

MODEL - COM113N

This trainer has been designed with a view to provide practical and experimental knowledge of Delta and 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. Step Size : 2mV to 72mV.
5. Modulator Sections : Comparator, S/H and Integrator.
6. Demodulator Sections : Integrator, Low Pass Filter - Cut off frequency - 3.4 KHz.
7. Standard Accessories : 1. A Training Manual.  
2. Connecting Patch cords.

## EXPERIMENTS

1. To study theory of different types of delta Modulation & Demodulation
2. To generate DM and ADM signal and demodulate them
3. To see the effect of sampling clock frequency on output.
4. To see the effect of slope overload.
5. To see the effect of step size.
6. To observe Granular Noise.
7. 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:-