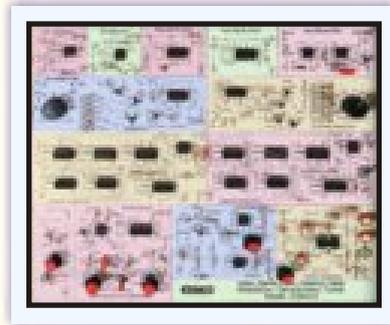




# STUDY OF ADM (ADAPTIVE DELTA MODULATION/DEMODULATION) SYSTEM

MODEL - COM113L

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. Built in IC based power supply.
3. On Board Modulating Sine wave signal generator  
Frequency Range : 1 KHz  
Amplitude : 0 to 5 Vpp.
4. On Board Sampling Pulse signal generator -  
Frequency : 100 KHz to 1MHz
5. Modulator Sections : Comparator, S/H and Integrator, Adaptive Control
6. Demodulator Sections : Integrator, Adaptive Control  
Low Pass Filter - Cut off frequency - 3.4KHz.
7. All parts are soldered on single PCB with multicolor Section wise blocks and complete circuit diagram Screen-printed with true value fo part. The PCB provided with multi-colour 2mm Testing points and acrylic Cover for safety in wooden box.
8. 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 ADM signal and demodulate them
3. To see the effect of sampling clock frequency on output.
4. To observe ADM signal on Spectrum analyser

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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