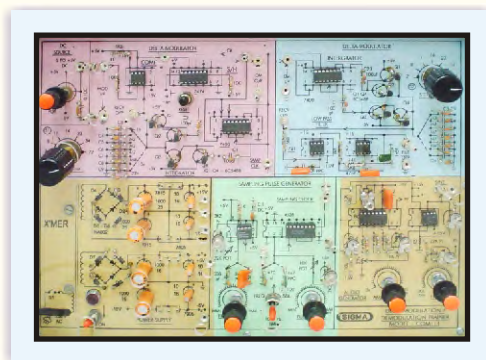




# DELTA MODULATION/ DEMODULATION SYSTEM TRAINER

MODEL - COM111M

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



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On Board AF Modulating signal generator - Sine wave  
Frequency Range : 300 Hz to 3.4KHz  
Amplitude : 0 to 5 Vpp.
4. On Board Sampling Pulse signal generator.  
Frequency Range : 10 KHz to 1MHz in two ranges  
Pulse width : Variable.
5. Step size : 2 mV to 72 mV-switch selectable.
6. Modulator Sections : Comparator, S/H and Integrator.
7. Demodulator Sections : Integrator, Low Pass Filter - Cut off fre. - 3.4 KHz.
8. All parts are soldered on single PCB with complete circuit diagram Screen-printed.
9. Standard Accessories :
  1. A Training Manual.
  2. Connecting Path cords.

## EXPERIMENTS

1. To study theory of different types of delta Modulation & Demodulation
2. To generate DM 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.

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