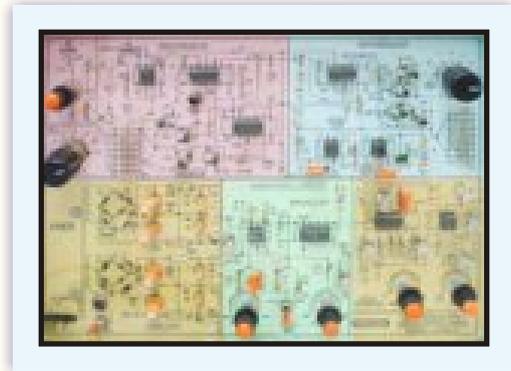




DELTA MODULATION/ DEMODULATION TRAINER

MODEL - COM111N

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. 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. Modulator Sections : Comparator, S/H and Integrator.
6. Demodulator Sections : Integrator, Low Pass Filter - Cut off frequency - 3.4 KHz.
7. All parts are soldered on single PCB with complete circuit diagram Screen-printed.
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 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.
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:-