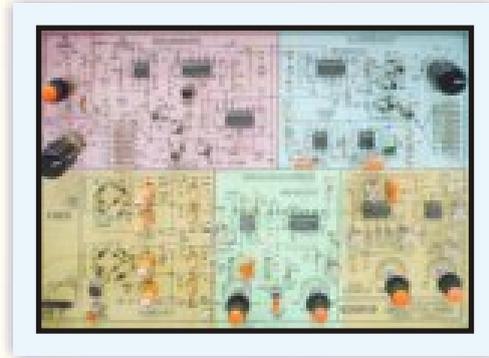




STUDY OF DM (DELTA MODULATION/ DEMODULATION) SYSTEM TRAINER

MODEL - COM111L

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 : 1KHz
Amplitude : 0 to 5 Vpp.
4. On Board Sampling Pulse signal generator.
Frequency Range : 100 KHz to 1MHz
5. Step size : Fixed 10 mV.
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 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.
9. Standard Accessories : 1. A Training Manual and 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.
6. To observe DM 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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