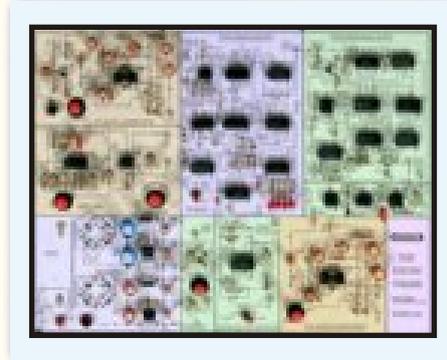




PULSE CODE MODULATION/ DEMODULATION TRAINER

MODEL - COM110L

This trainer has been designed with a view to provide practical and experimental knowledge of Pulse Code Modulation/Demodulation.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On board Sine wave generator 1KHz
4. On Board Sampling Pulse signal generator.
Frequency Range - Fast Mode : 1.2 to 1.4 MHz
Frequency Range - Slow Mode : 0.8 Hz to 1.2 HZ
5. LED indicators for PCM output bits.
6. Modulator Sections : Ramp Generator, Comparator, Parallel to serial converter.
7. Demodulator Sections : Serial to parallel converter, Latch, D/A converter and Low Pass Filter
8. Standard Accessories : 1. A Training Manual
2. Connecting Patch cords.

EXPERIMENTS

1. To study theory of Pulse Code Modulation & Demodulation.
2. To generate and demodulate PCM signal
3. To see the effect on PCM demodulated output by changing bit pulse either 3 bits or 4 bits.
4. To see the effect of DC signal on PCM modulation.

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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