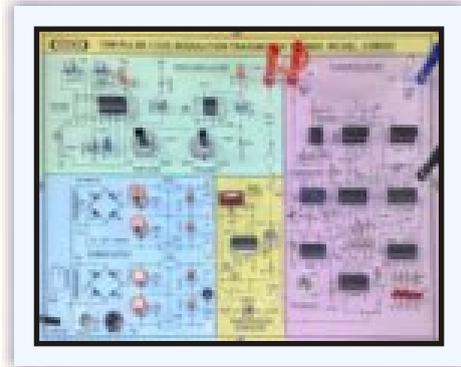




TDM PULSE CODE MODULATION TRANSMITTER TRAINER

MODEL- COM203L

This trainer has been designed with a view to provide practical and experimental knowledge of Pulse Code Modulation 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 : +15V, -15V, +5V.
3. On Board Modulating sine wave generator
Frequency Range : 300Hz to 3.4 KHz.
Amplitude : 0 to 5 Vpp.
4. On Board Sampling Pulse signal generator.
Frequency Range : Fast Mode - 1.2 Mhz, Slow Mode - 1 Hz
5. LED indicators for PCM output bits.
6. PCM Bit : 3 or 4 bit selectable by switch.
7. Modulator Sections : Counter & Comparator, Encoder
8. Demodulator Sections : Decoder and Low Pass Filter.
9. Standard Accessories : 1. A Training Manual.
2. Connecting Patch cords. (6 Nos.)

EXPERIMENTS

1. To study theory of Pulse Code Modulation.
2. To generate PCM signal
3. To calculate Bit rate.
4. To measure quantization Noise.
5. To measure Signal to Noise ratio
6. To see the effect on PCM demodulated output by changing bit pulse either 3 bits or 4 bits.
7. 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.

Sigma Trainers and Kits
E-113, Jai Ambe Nagar,
Near Udgam School,
Thaltej,
AHMEDABAD - 380054.
INDIA.

Phone(O): +91-79-26852427/ 26850829
Phone(F): +91-79-26767512/ 26767648
Fax : +91-79-26840290/ 26840290
Mobile : +91-9824001168
Email : sales@sigmatrainers.com
: sigmatrainers@sify.com
Web : www.sigmatrainers.com

Dealer:-