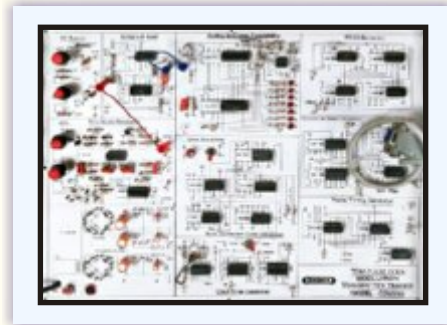




# PULSE CODE MODULATION TRANSMITTER TRAINER MODEL- COM203Z

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. Crystal Frequency : More than 10MHz
2. On Board Generators of 1&2 KHz frequency with Variable Amplitude DC Levels
3. Input Channel : Two or more
4. It should have Pseudo Random Sync Code Generator With Error Check Code
5. Error Detection and Correction using Hamming Code or other method
6. Operating Modes : Fast 240 KHz/Channel (approx.)  
Slow 1 HZ/Channel (approx.)
7. Time Division Multiplexing and Pulse Amplitude Modulation
8. PC to PC Communication facility with selectable Baud rate
9. Built-in Gaussian Noise Generation and Matched Filter
10. Various minimum necessary Test Point
11. 2 sets of Manuals, Set of Patch Cord, Line Cord

## EXPERIMENTS

1. Study of Pulse Code Modulation
2. Study of A/D converter.
3. Study of parallel to serial Data conversion.
4. Study of time division multiplexing of PCM Data.
5. Study of synchronization by pseudo random code.
6. Study of error check codes with switched faults operation.

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:-**