

CT-PCMT

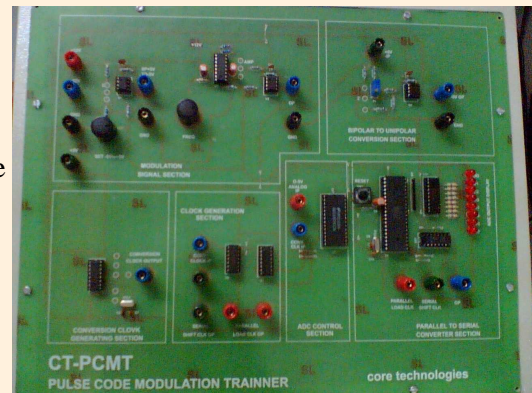
Pulse Code Modulation Trainer

Salient Features:

It has facility to generate the binary code of input signal, using analog to digital converter and time division multiplexing of two such PCM data stream.

Specifications:

Input channels: 2 Nos. Time-division multiplexed, Pulse code modulated
Onboard signals: 1KHz, 500 Hz variable amplitude synchronized sine waves. Two variable amplitude DC levels
Synchronization signal: Pseudo random code generation
Parity code facility: Even, Odd, Hamming, No Parity
Switch Fault mode: Facility to create signal bit error using DIP switch
LED Display: At every functional block for examination of Digital data and control signal
Mode of Operation: Fast/Slow
Interconnection: 2mm banana socket
Power Supply: In-built



List of Experiments:

Study of 2 channel Time Division Multiplexing and its Pulse code modulation
Study of Analog to Digital Principles
Study of Pseudo Random Sequences Generation
Study of error generation code logic using odd parity, even parity and hamming parity
Study of effect to single bit error using switch faults

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