



STUDY OF LINE CODES & THEIR SPECTRAL ANALYSIS

MODEL - COM122L

This trainer has been designed with a view to provide practical and experimental knowledge of the process of coding of digital data into different formats.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. On Board Digital Data generator to generate any binary input word of
Word Length : 8 Bits.
Word Clock Frequency : 10 KHz
3. Line Coding Formats :
 1. Unipolar NRZ
 2. Unipolar RZ
 3. Bipolar NRZ (AMI)
 4. Polar NRZ
 5. Polar RZ
 6. Bi-phase (Split phase) Manchester
4. All parts are soldered on single PCB complete circuit diagram screen-printed.
5. Standard Accessories :
 1. A Training Manual
 2. Connecting Patch cords.

EXPERIMENTS

1. To study theory of digital line coding and decoding.
2. To observe spectrum of different line codes on Spectrum Analyzer.

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