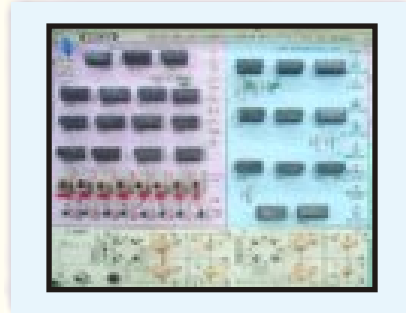




# STUDY OF LINE CODES & THEIR SPECTRAL ANALYSIS

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.

**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:-**