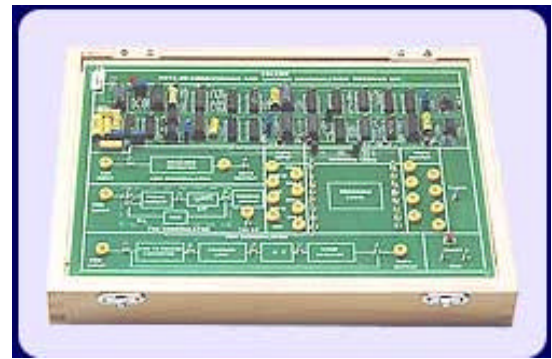


TLD-06 : DATA RE-CONDITIONING AND CARRIER DEMODULATION RECEIVER

This module takes the data streams from TLD-05 as input and does the Reconditioning and Demodulation. This kit enable the students to learns the different types of data format decoding to get the original NRZ-L data. It also covers the study of carrier demodulation techniques.



Features :

- Data Re-conditioning format : Return to Zero-NRZ(L), NRZ(M), NRZ(S); Phase Encoded-Biphase (Manchester), Biphase (Mark), Biphase (Space), Return to (RZ), Alternate Mark Inversion (AMI).
- ASK, FSK, PSK Carrier modulation techniques.
- Receiver Clock generated by Phase-lock loop.
- Various test points provided on-board.

Technical Specifications :

- Data format (coding): NRZ(L), NRZ(M), NRZ(S), Biphase (Manchester), Biphase (Mark), Biphase (Space), RZ, AMI.
- Carrier Modulation : ASK, FSK, PSK
- Receiver Clock : Generated by Phase-lock loop.
- Interconnection : 2mm standard banana socket
- Power Supply : +5V, +/-12V

List of Experiments :

- Data Coding Techniques for Non-Return to Zero format.
- Data Coding Techniques for Phase Encoded format.
- Data Decoding Techniques for Return to Zero format and multilevel binary format.
- Amplitude Shift Keying Modulation Technique.
- Frequency Shift Keying Modulation Technique.
- Phase Shift Keying Modulation Technique.