

ACT-07R Data Reconditioning Trainer Kit



ACT-XX is a Digital Communication Trainer System to understand various digital Modulation and Demodulation Techniques. Various functional block diagrams are provided on-board for Teaching/Training. This Kit provides with various Test Points to visualize the signals on Oscilloscopes.

Features

- Data format of NRZ-L, NRZ-M, NRZ-S, URZ, AMI, BIO-L, BIO-M, BIO-S converted to NRZ-L.
- ASK, PSK, FSK Demodulator.
- In-Built Power Supply

Specifications

- Carrier Demodulation using ASK, PSK, FSK
- Data formats of NRZ-L, NRZ-M, NRZ-S, URZ, Bi-phase-L, Bi-phase-M, Bi-phase-S, AMI encoded to NRZ-L format.
- Receiver Clock generated by PLL
- **Carrier Demodulation done by:**
 - › Rectifier Diode for ASK
 - › PLL Detector for FSK
 - › Square Loop Detector for PSK
 - › Block Description Screen printed on glassy epoxy PCB
- **Demodulation Techniques**
 - › ASK, FSK, PSK Demodulation.

Interconnections

- › All interconnections are made using 2mm banana Patch cords.
- Test points are provided to analyze signals at various points.
- All ICs are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, ±12V/250mA with Power ON indication
- Attractive ABS Plastic enclosures.
- Set of 2mm Patch cords for interconnections
- User's Manual with sample experimental programs

LIST OF EXPERIMENTS

- ✓ Study of different Data formats to NRZ-L Format
- ✓ Study of Amplitude Shift Keying Demodulation Techniques
- ✓ Study of Frequency Shift Keying Demodulation Techniques.
- ✓ Study of Phase Shift Keying Demodulation Techniques.

Note : Specifications can be altered without notice in our constant efforts for improvement.