ACT-07
DATA CONDITIONING & RECONDITIONING TRAINER KIT

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

Features

◇ *On-board Clock and Coding data*
◇ *Data format of NRZ-L, NRZ-M, NRZ-S, URZ, AMI, BIO-L, BIO-M, BIO-S.*
◇ *On-board Unipolar to Bipolar and Bipolar to Unipolar conversion.*
◇ *In-Built Power Supply*

• *Specifications*

• **Data Generator**
  ‣ On-board 8 bit Data Generator for simulation of data coding.

• **On-board features**
  ‣ Data formats of NRZ-L, NRZ-M, NRZ-S, URZ, Bi-phase-L, Bi-phase-M, Bi-phase-S, AMI
  ‣ On-board Data Simulator
  ‣ Receiver Clock generated by PLL
  ‣ On-board Uni-polar to Bipolar conversion
  ‣ On-board Bipolar to Uni-polar conversion
  ‣ Block Description Screen printed on glassy epoxy PCB

• **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 Enclosure.
• Set of 2mm Patch cords for interconnections
• User's Manual with sample experimental programs
• 315mm x 245mm x 105mm (L x W x H).
• Weight 3 Kgs.

LIST OF EXPERIMENTS

☛ Study of Data Coding and Decoding Techniques for Non-return to Zero Format
☛ Study of Data Coding and Decoding Techniques for Phase Encoded Format
☛ Study of Data Coding and Decoding Techniques for Return to Zero Format and Multilevel binary format

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