

## ACT-14 DATA COMMUNICATION TRAINER



### Features

- Serial Communication : RS-232 port (9 pin & 25 pin)
- Parallel Communication: 25 Pin LPT Port
- Wire Less Communication:-
  - Infrared Transmitter: IR LED 920nm
  - Infrared Receiver: Direct TTL output
  - Baud Rate: 2.4kbps (max)
  - Carrier Frequency: 38Khz
- Optic Fiber Communication:-
  - Transmitter: Peak wavelength of emission 660nm visible Red
  - Receiver: Photo detector with TTL Logic output
  - Baud Rate: 115Kbps
- Fiber Optic Cable:-
  - Type: Plastic Fiber, Step Index, Multimode
  - Length: 1 meter
- Modem Communication:-
  - Modulation: FSK Modulation
  - Mark Frequency: 300KHz
  - Space Frequency: 200KHz
  - Demodulation: PLL Detector
  - Mark Frequency: 300KHz
  - Space Frequency: 200KHz
  - Baud Rate: 56Kbps (max)
  - Twisted Pair Link: RJ 11 Telephone Connector
  - Data Indication: 8 bit Received Data Display.
- RJ45 Communication:-
  - RJ Cable Communication of max. Speed 10Mbps.
- USB Communication:-
  - USB 2.0 Cable Communication of max. Speed 200Mbps.
- Fire Wire Communication:-
  - Fire Wire Cable Communication of max. Speed 400Mbps.

- Bluetooth Communication:-
  - Bluetooth Peer to Peer Communication of max. Speed 750Kbps.
- WiFi Wireless Communication:-
  - WiFi Peer to Peer Communication of max. Speed 22Mbps using PCI Card.
- Serial Hardware and Software Protocol like X-Modem, Y-Modem, Z-Modem & Kermit Protocol
- Parallel Port Hardware and Software Protocol like Stop & Wait, Go back N, Selective Repeat Protocol
- Fault Switch
  - 4 Switch Faults are provided on-board to study different effects on circuit.
- 2mm Banana Socket for interconnection.
- Windows 98/XP/2000 based Software.
- 20 Nos. of Test Points are provided on board to observe various intermediate signals.
- In-Built Power Supply +5V, ±12V

### ACCESSORIES:

- Blue Short Links (10"): 8 Nos.
- RS-232 Serial Cable: 02 Nos.
- DB25 Parallel Port Cable: 2 Nos.
- RJ11-RJ11 Connector Cable : 02 Nos.
- Plastic Fiber Cable Multimode: 01 Meter.
- Software CD: 01 No.
- Experimental Manual: 01 No.
- Power Supply Cable: 01 No.

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