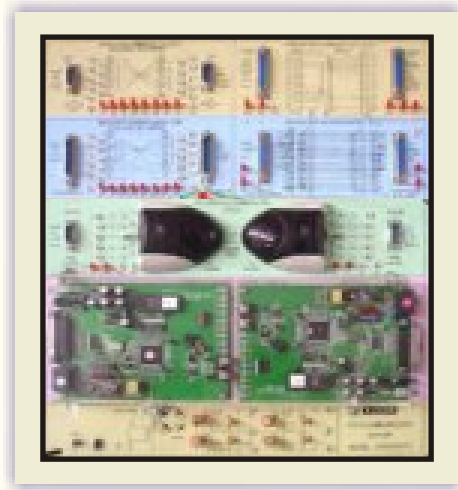




DATA COMMUNICATION TRAINER

MODEL - DATACOM100

This trainer has been designed with a view to provide practical and experimental knowledge of different methods fo Data communization between two computers..



FEATURES

1. Serial Data Communication - COM1
2. Serial Data Communication - COM2
3. Parallel Data Communication - LPT1
4. Twisted pair Data Communication using FSK Modem
5. Fiber optic and IR link
6. LEDs for displaying faults
7. Associated software, accessories and manual

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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Dealer:-

SPECIFICATIONS

1. Serial Communication : RS-232 Com Port - 9 pin
2. Serial Communication : RS-232 Com Port -25 pin
3. Parallel Communication : 25 pin LPT port
4. Optic Fiber Communication
 - Transmitter : Peak wavelength of emission 660 nm visible Red (SFH 756V).
 - Receiver : Photo detector with TTL logic output (SFH551 V).
 - Baud Rate : 11 5 kbps
 - Fiber Optic Cable : Plastic Fiber Step Index, Multimode.
 - Length : 1 feet
5. Modem Communication
 - Modulation : FSK Modulation
 - Baud Rate : 56KBps (Max)
 - Twisted Pair Link : RG 11 telephone Connector
6. Accessories:
 - RS-232 COM1 Cable : 2 Nos.
 - RS-232 COM2 Cable : 2 Nos.
 - Db25 Parallel cable : 2 Nos.
 - Modem Adapters : 2 Nos
 - Modem Cables : 2 Nos.
 - Plastic Fiber Cable : 1 No
 - Manual : 1 No.

EXPERIMENTS

1. To Study of Serial Port
2. Study of Parallel Port
3. Study of Synchronous Serial Communication
4. Study of Asynchronous Serial Communication
5. Study of PC-PC Serial Communication using RS-232 cable
6. Study of different Modem used in Serial Communication
7. Study of Flow controls in Serial Communication
8. Study of Protocols in Serial Communication
9. Study of Fiber Optic Communication
10. Study of Modem Communication
11. Study of Wireless Communication
12. Study of PC-PC Parallel Communication using 0825 cable
13. Study of printer interface using parallel port

Note: -

Two Computer systems (Pentium IV 1.5 Ghz, 4GB HD, 128 MB RAM) with Windows Second Edition are required to operate this trainer. Also two telephone lines are required for Modem to Modem Data transfer experiment.