



FIBER OPTIC ADVANCED DIGITAL TRANSMITTER RECEIVER TRAINER

MODEL - FOT102AD

This trainer has been designed with a view to provide practical and experimental knowledge of a general circuit of advanced digital transmission using Fiber Optic Cable a SINGLE PCB.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. Transmitter : 2 No. Fiber optic LED's (Peak Wavelength of emission 660nm)
4. Receiver : 2 No. Fiber optic Avalanche Photo diode (APD).Photo Detectors
5. Modulation Technique :
 - a. Direct Amplitude Modulation & Demodulation
 - b. Frequency Modulation & Demodulation
 - c. Pulse width Modulation & Demodulation
6. Drivers : Analog & Digital for both channels
 - a. Analog Bandwidth : 350 KHz
 - b. Digital Bandwidth : 2.5 MHz
7. Function Generator :
 - a. 1 KHz Sine Wave (Amplitude adjustable)
 - b. 1 KHz Square Wave (TTL)
8. All parts are soldered on single PCB with complete circuit diagram Screen printed.
9. Standard Accessories :
 1. A Training Manual.
 2. Fiber Optic Cable - 1 mtr 2Nos.

EXPERIMENTS

1. To transmit and receive analog signal using fiber optic cable.
2. To transmit and receive digital signal using fiber optic cable.
3. To transmit and receive Frequency modulated signal using fiber optic cable.
4. To transmit and receive Pulse width modulated signal using fiber optic cable.
5. To transmit and receive voice signal using fiber optic cable.
6. To transmit and receive Computer signal using fiber optic cable.

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:-