



FIBER OPTIC PULSE CODE MODULATION/DEMODULATION TRAINER

MODEL - FOT110

This trainer has been designed with a view to provide practical & experimental knowledge of a general circuit of Fiber Optic Pulse Code Modulation / Demodulation a SINGLE P.C.B.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On board Sine wave generator 1KHz.
4. On Board Sampling Pulse signal generator.
Frequency Range - Fast Mode : 1.2 to 1.4 MHz
Frequency Range - Slow Mode : 0.8 Hz to 1.2 HZ
5. Modulator Sections : Ramp Generator, Comparator, Parallel to serial converter.
6. Demodulator Sections : Serial to parallel converter, Latch,
D/A converter and Low Pass Filter.
7. Transmitter: 1 No. Fiber optic LED's (Peak Wavelength of emission 660nm)
8. Receiver: 1 No. Fiber optic Photo Detectors
9. Standard Accessories : 1. A Training Manual
2. Connecting Patch cords.

EXPERIMENTS

1. To modulate Pulse code signal using fiber optic cable.
2. To demodulate Pulse code 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:-