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

### Specifications

1. **Power supply requirement**: 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On Board Audio signal generator - Sine wave
   - **Frequency**: 300Hz to 3.4KHz
   - **Amplitude**: 0 to 5Vpp.
4. **Transmitter**: Fiber optic LED's (Peak Wavelength of emission 820mm)
5. **Receiver**: Fiber optic Photo diode
6. **Modulation**: Frequency Modulation
7. **Demodulation**: FM Detector and Low pass Filter
8. All parts are soldered on single PCB of size 12" x 9" with complete circuit diagram screen-printed.
9. **Standard Accessories**:
   - 1. A Training Manual
   - 2. Connecting Patch cords.

### Experiments

1. To transmit and receive frequency modulated analog signal using fiber optic cable

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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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