This trainer has been designed with a view to provide practical and experimental knowledge of a general circuit of analog and digital fiber optic link on a SINGLE P.C.B.

## 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)
   - On Board Input Audio amplifier with Volume control for modulating external signal from Mike or Tape recorder.
4. **Receiver**: 2 No. Fiber optic Photo Detectors
   - On Board Output Audio amplifier with speaker & Volume Control
5. **Function Generator**: 1KHz Sine Wave (Amplitude adjustable)
   - 1KHz Square Wave (TTL)
6. **All parts are soldered on single PCB with complete circuit diagram screen printed.**
7. **Standard Accessories**:
   2. Connecting Patch cords.
   3. Fiber Optic Cable - 1 meter.

## EXPERIMENTS

1. To transmit Analog/digital frequency signal through Fiber optic LED.
2. To receive Analog/digital frequency signal through photo diode detector.

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