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**

2. Built-in IC based power supply.
3. Transmitter : 2 No. Fiber optic LED's (Peak Wavelength of emission 660mm)
   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.
   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.