

Product Name :

Fiber Optic Voice Transmitter & Receiver Trainer for Vocational Training and Didactic Labs

Product Code :

FBRO-0006

**Description :**

Equipment for Education, Engineering and Vocational Training - Fiber Optic Voice Transmitter & Receiver Trainer - Fibre-Optic Voice Transmitter and Receiver Trainer has been designed specifically to learn mysteries and science of Fibre Optics. In a way it is a Lab-Optics Voice Link Trainer. Practical experience on this Trainer carries great educative value for Science & Engineering Students.

Experiments:

Study of fibre - optic transmitter and receiver for audio signal transmission.

Study of fibre - optic transmitter and receiver for voice signal transmission.

Features:

The Trainer consists of the following built-in parts:

Fibre-Optic Transmitter @ 660nm.

Audio Amplifier Circuit.

12V & 6V DC at 200mA, IC Regulated power supply internally connected.

One mike connector.

Potentiometer to vary the current of LED.

Fibre - Optic Photo Transistor.

Detector Circuit with Speaker of 8 ohms.

Mains ON/OFF, Fuse and Jewel Light.

A mike to transmit voice.

One meter and five-meter PMMA patch cords with in - line adaptor.

The units are operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.

Adequate no. of Patchcords stackable 4mm spring loaded plug length $\frac{1}{2}$ metre.

Good Quality, reliable Terminal/Sockets are provided at appropriate places on Panel for connections / observation of waveforms.

Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

Cathode Ray Oscilloscope 20MHz.

AF/RF Generator 10Hz to 1 MHz

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