

Product Name :
Fibre-Optic Voice Transmitter and Receiver Trainer

Product Code :
NLAB-ELECTRONICSAB240007



Description :

Fibre-Optic Voice Transmitter and Receiver Trainer

Technical Specification :

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 +10% at 50Hz A.C. Mains.

Adequate no. of Patchcords stackable 4mm spring loaded plug length ½ metre.

Weight : 3 Kg. (Approx)

Dimension : W 340 x H 110 x D 210

Other Apparatus Required:

Cathode Ray Oscilloscope 20MHz.

AF/RF Generator 10Hz to 1 MHz

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