

Product Name :
Fibre Optic Simplex Digital Transceiver Trainer**Product Code :**
ELB-ELC0002 LAB ENGINEERING**Description :**

Fibre Optic Simplex Digital Transceiver Trainer

Technical Specification :

Fibre-Optic Simplex Digital Transceiver Trainer has been designed specifically for the study of characteristics & propagation delay in digital fibre optic transmission systems.

Practical experience on this board carries great educative value for science & engineering students.

Object:-

Design & study of a fibre-optic Digital link.

Study of Rise-Time and Fall-Time distortions

Study of Propagation Delay.

Features:-

The board consists of the following built-in parts:

Two isolated IC Regulated D.C. Power Suppliers.

Timer IC for Square Wave Frequency Generator.

Three potentiometers to vary R (Threshold Resistance), R (Input Resistance) and frequency. TH IN

Fibre Optic Digital Transmitter @ 660nm

Fibre Optic Digital Receiver.

Adequate no of other electronic components.

Mains ON/OFF switch, Fuse and Jewel light.

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

Adequate no. of patch cords 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

 **LAB ENGINEERING**

Elab Engineering Equipments Manufacturers