

Product Name :

Fiber Optic Simplex Digital Transceiver Trainer & Kit for Electrical Lab for Vocational Training and Didactic Labs

Product Code :

FBRO-0002



Description :

Equipment for Education, Engineering and Vocational Training - Fiber Optic Simplex Digital Transceiver Trainer & Kit for Electrical Lab - Fiber 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

Fiber Optic Digital Transmitter @ 660nm

Fiber 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 ½ 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:

Digital Multimeter

Cathode Ray Oscilloscope 20MHz

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