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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 ±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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