

Product Code . JL-FOT-1538

Advanced Fibre Optic Analogue Transceiver Trainer



Description

Advanced Fiber-Optic Analogue Transceiver Trainer

Object:-

To determine the numerical aperture of optical fiber

Losses in optical fibers at 660nm and 850nm and other cables

Study of E/O characteristic of fiber optic 660nm and 850nm

Study of O/E characteristic of fiber optic photo transistor

Design and study of a linear fiber optic intensity modulation system for analog transmission

Gain characteristics of a fiber optic linear intensity modulation system

Frequency Response of a fiber optic linear intensity modulation system

Waveform distortion in a fiber optic linear intensity modulation system

Gain-Band width product of a fiber optic linear intensity modulation system

Features:-

IC regulated D.C. power supply

Fiber-optic analogue transmitter at 660nm

Fiber-optic analogue transmitter at 850nm

Fiber-optic receiver

One-meter PMMA fiber patch cord

Five-meter PMMA fiber patch cord

In-line SMA adaptor

Two potentiometer to vary forward current of LED in transmitter & current of photo transistor in receiver

SPDT switch for selecting wavelengths 660nm and 850nm

NA JIG with scale marked on it to measure length

Mandrel

Measuring scale to measure width of fiber optics led

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 $\frac{1}{2}$ meter

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

Weight:- 3 Kg. (approx)

Dimension:- W 340 x H 110 x D 210

Other apparatus required:-

AF/RF generator 10Hz to 1MHz

Digital millimeter

Cathode ray oscilloscope 20MHz

Digital fiber-optic power meter

Analogue Transceiver Trainer Manufacturer India, Analogue Transceiver Trainer Exporters,

Electronics Analogue Transceiver Trainer, Buy Analogue Transceiver Trainer, Buy Analogue Transceiver Trainer Online India, Lab Exporters India, Didactic, Didactic Electronics Equipments For School Lab, Electrical Training Equipment Exporters and Educational Equipments, Electrical Training Equipment Suppliers, Electronics Instruments and Equipments Manufacturers.

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