Product name:	Product code:
Fibre-Optic Trainer for Numerical Aperature and Fibre Loss Measu	Fiber0002

Description

Fibre-Optic Trainer for Numerical Aperature and Fibre Loss Measu

Technical specification

- One-metre PMMA Fibre Patch cord
- Five-metre PMMA Fibre Patch cord
- In-line SMA Adaptor
- Two Potentiometer to vary forward current of LED in Transmitter & current of Phototransistor in receiver
- SPDT switch for selecting wavelengths 660 nm and 850 nm
- NA JIG with scale marked on it to measure length
- Mandrel
- NA measuring Scale to measure width of Fibre Optic's LED
- Adequate no of other electronic componets
- 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
- Weight : 3 Kg. (Approx)
- Dimension : W 340 x H 110 x D 210

Fibre-Optic Trainer for Numerical Aperature and Fibre Loss Measu

Fibre-optic Trainer for Numerical Aperture and Fibre Loss Measurement has been designed specifically for the study of Numerical Aperture and Fibre Loss Measurement. Practical experience on this Trainer carries great educative value for Science & Engineering Students.

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Object:

- Study of Fibre Optic Transmitter and Receiver
- Study of Numerical Aperture of PMMA Fibre
- Study of Loss in 1 Mtr / 5 Mtr. PMMA Patch Chords
- Study of Electrical – Optical Converter Characteristics
- Study of Optical to Electrical Converter Characteristics
- Study of Intensity Modulation System

Features:

The Trainer consists of the following built-in parts:

- IC regulated D.C. Power Supply
- Fibre-Optic Analogue Transmitter @ 660 nm
- Fibre-Optic Analogue Transmitter @ 850 nm
- Fibre-Optic Receiver