

Product Name :
Analog Fiber Optic Trainer

Product Code :
NLAB-ELECTRONICSAB240013

Description :

Analog Fiber Optic Trainer

Technical Specification :

SCOPE OF LEARNING:

Voice transmission through optical fiber cable.

To study transmitter circuit & calculate its output power

To study receiver circuit & calculate its input power

To study the attenuation of signal between transmitter & receiver end.

Measurement of numerical aperture

TECHNICAL SPECIFICATIONS:

In built IC based Fixed DC Regulated Power Supply +12VDC/100mA.

On board 1KHz sine wave oscillator provided.

Input amplifier stage using TL074.

Optical transmitter

Optical Receiver

Low Pass filter given on board.

AC amplifier given on board.

Power Amplifier given on board with volume control.

Circuit diagram is printed on glass epoxy PCB & different combination of resistance.

Test points are brought out on front panel.

SALIENT FEATURES:

660nm Transmitter.

Photo Detector.

On-board Sine wave generator:10Hz

On-board 4th Order Low Pass Filter

Two PMMA Optical Fiber Cables 1mtr and 3mtr Length.

In-Built DC Regulated Power Supply.

Front Panel Built With High Class Insulated Printed Circuit Board Sheet With Well Printed Circuits and Symbols.

Fuse For Short Circuit Protection

Instruction Manual.

Connections are brought out through 2mm Brass Sockets.

Patch Cords 2mm.

The trainer is housed in ABS Plastic cabinet.

Size of the trainer set 12"x8"

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003