

Product Name :
Fibre-Optic Simplex Analogue Transceiver Trainer

Product Code :
ALABS-A41-004



Description :

Fibre-Optic Simplex Analogue Transceiver Trainer

To study ac characteristics of a linear intensity modulation system:

Gain characteristics of a fiber optic linear intensity modulation system
 $V_{IN} (ac)$ Vs $V_o (ac)$ for fixed carrier power P_o and signal frequency

Frequency Response of ac fiber-optic linear intensity modulation system $V_{out} (ac)$ Vs of at fixed carrier power P_o and $V_{IN} (ac)$

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

Gain Vs bandwidth for fixed V_{IN}

Features:

The board consists of the following built-in parts:

IC regulated D.C. power supply

Fiber-optic transmitter

Fiber-optic receiver

Potentiometer to vary the current of LED in transmitter and photo transistor in 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 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



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