

Product Code:

AL-E164

CATALOGUE

#118, Karanpuri, Behind B.D.Floor, Ambala Cantt, Haryana (India),

ANALOG OPTICAL FIBER COMMUNICATION

Objective:

1. Voice transmission through optical fiber cable.
2. To study transmitter circuit & calculate its output power
3. To study receiver circuit & calculate its input power
4. To study the attenuation of signal between transmitter & receiver end.
5. Measurement of numerical aperture

Picture:



Specifications:

- In built IC based Fixed DC Regulated Power Supply + 6VDC/100mA.
- Pre amplifier stage consists of MIC (Microphone).
- Photo detectors, transistors,& biasing network of resistance & capacitors.

- Power Amplifier stages consist of impedance matching transformers, transistors & biasing network of resistance & capacitors.
- Output section having LED & speaker, fiber optic cable for transmission of signal.
- Circuit diagram is printed on glass epoxy PCB & different combination of resistance.
- Test point are brought out on front panel .

Accessories:

1. Adequate no of 4mm Patch Cords required for the Experiments.
2. Microphone for Voice Transmission.
3. Speaker for Voice Receiver End.
4. Optical Fiber Cable 1 Meter Length.