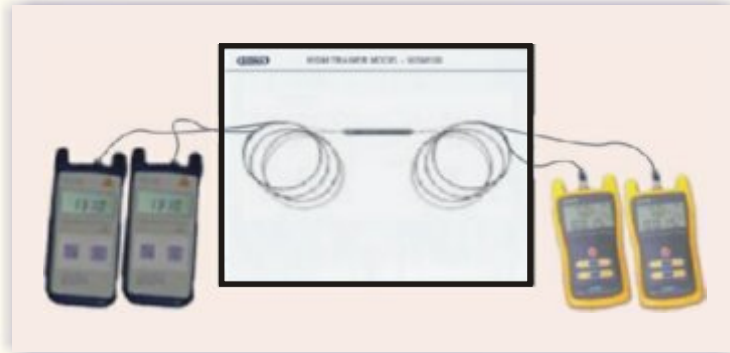




WDM TRAINER

MODEL WDM100

This trainer has been designed with a view to provide practical and experimental knowledge of a WDM.



SPECIFICATIONS

1. UNIT :
 1. Main unit comprising of Multiplexer & De-multiplexer
 2. Inputs (Light sources) 1550 & 1310nm(2 Nos.)
 3. Output (Optical power meters)(2 Nos.)

2. Features :
 - Demonstrates combination and separation of two wavelengths
 - High channel isolation
 - Low insertion loss
 - Bi-directional

3. Technical Specifications :
 - Operating wavelengths : 1310 & 1550 nm
 - Coupling Ratio : 50/50
 - Port : 1 x 2 and 2 x 1
 - Connector type : FC
 - Length of single fiber : 1M, 3M
 - Light Source : 2Nos.
 - Power Meter : 2 Nos.

4. Experiments :
 - Testing the isolation of ports (with Light Source & Power Meter)
 - Testing of coupling ratio (With Light source & Power Meter)
 - Measurement of output power (With Light source & Power Meter)
 - Demonstration of WDM
 - Bi-directional demonstration (Both)

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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Dealer:-

5. LASER LIGHT SOURCE

Central Wavelengths : 1310nm / 1550nm
Source Type : Laser Diode
Power Output : -3dBm
Power Output uncertainty : ± 0.5 dB
Connector : FC
Modulation Modes : CW/2000Hz/1000Hz/270Hz
Power Supply : Battery-DC9V Alkaline or equivalent, Adapter - output : DC9V 300mA

6. OPTICAL POWER METER

Wave lengths : 850nm, 1310nm, 1550nm
Measuring range : +3 dBm ~ -50dBm
Accuracy : ± 0.4 dBm
Connector : FC
Display : 4 digits dBm, Low Battery
Power Supply : Battery-DC9V Alkaline or equivalent