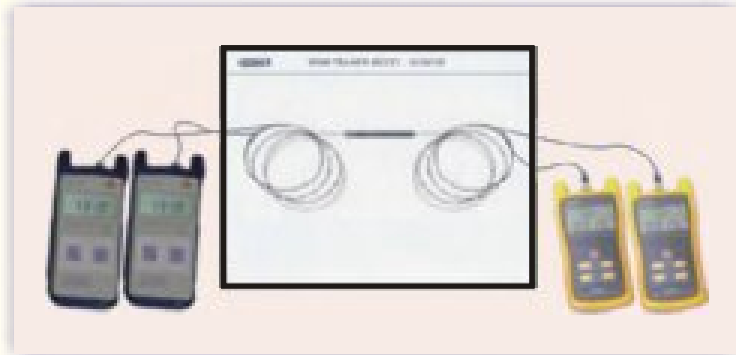




# WDM TRAINER

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.

**Sigma Trainers and Kits**  
E-113, Jai Ambe Nagar,  
Near Udgam School,  
Thaltej,  
**AHMEDABAD - 380054.**  
**INDIA.**

**Phone(O): +91-79-26852427/ 26850829**  
**Phone(F): +91-79-26767512/ 26767648**  
**Fax : +91-79-26840290/ 26840290**  
**Mobile : +91-9824001168**  
**Email : sales@sigmatrainers.com**  
**: sigmatrainers@sify.com**  
**Web : www.sigmatrainers.com**

**Dealer:-**

5. LASER LIGHT SOURCE

Central Wavelengths : 1310nm / 1550nm  
Source Type : Laser Diode  
Power Output : -3dBm  
Power Output uncertainty :  $\pm 0.5$ 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 :  $\pm 0.4$  dBm  
Connector : FC  
Display : 4 digits dBm, Low Battery  
Power Supply : Battery-DC9V Alkaline or equivalent