Megger.

MLS1000
Multimode Light Source

- **850 and 1300 nm LED source**
- **High stability output**
- **Temperature compensated**
- **Continuous and modulated outputs**
- **Exceptional battery life**
- **Ruggedised waterproof housing to IP54**
- **3 Year manufacturers warranty**
- **Dry Cell or Rechargeable operation**

DESCRIPTION

The MLS1000 is a stable optical dual LED source that can be used in conjunction with an optical power meter for optical loss testing of fiber optic cables. It has been designed to output 850nm or 1300nm at a level of -20 dBm into a 62.5/125 multi-mode fibre.

It is particularly suitable for the testing of LAN's, FDDI, and other multimode links whether inside or outside a building.

Although the MLS1000's main use is in multimode fiber optic cable loss testing, other applications include fiber continuity testing, connector testing, and patch lead testing.

Both CW (constant wave) and modulated outputs are available with LED mode indication.

Battery status warning provides battery condition indication. An optical charger is available when rechargeable batteries are fitted.

SPECIFICATION

Source Type:
Two LED's

Wavelength:
850nm & 1300nm typical

Wavelength Accuracy:
± 30nm

Output Level:
Typically >-20dBm into 62.5/125 multimode fiber

Output Stability:
Typically <0.1dB over 1hour at 23 Centigrade

Output:
Continuous or 1kHz Modulated

Batteries:
2 x AA Alkaline Cells (NiMh on NiCad can be used)

Battery Life:
50 hours continuous
80 hours modulated

Power Input:
Can operate and charge internal batteries using optional charger

Optical Connector:
Supplied with ST connectors.

Safety:
Laser Class 1

Case Dimensions:
160 mm x 83 mm x   30 mm

Instrument Weight:
220g

Operational Temperature:
-15ºC to +50ºC (5ºF to 122ºF)

Operational Humidity:
95% at 40ºC (104ºF)

Storage Temperature:
-20ºC to 70ºC (-4ºF to 158ºF)

ORDERING INFORMATION

Item	Order Code	Item	Order Code
Multimode light source with ST connector	MLS1000	In-line gender changing adaptor with Multimode ST connectors	22440-019
Included Accessories		In-line gender changing adaptor with Single mode SC connectors	22440-020
User Guide	6172-626	In-line gender changing adaptor with Multimode SC connectors	22440-021
Test & Carry Pouch	6220-714	In-line gender changing adaptor with Single mode ST connectors	22440-022
Optional Accessories		In-line gender changing adaptor with Single mode FC connectors	22440-003
Single Mode Patch Cord with FC / SC Connectors (3 metres)	22440-007		
Single Mode Patch Cord with FC / FC Connectors (3 metres)	22440-008	Bare Fiber adaptor SC connector	25970-034
Single Mode Patch Cord with FC / ST Connectors (3 metres)	22440-009	Bare Fiber adaptor FC connector	25970-035
Single Mode Patch Cord with ST / ST Connectors (3 metres)	22440-015	Bare Fiber adaptor ST connector	25970-036
Single mode patch cord with ST/SC connectors (3 metres)	22440-027	Bare Fiber adaptor SC, ST and FC connectors	25970-037
Single Mode Patch Cord with SC / SC Connectors (3 metres)	22440-016	UK DC Power Supply	27900-050
		USA DC Power Supply	27900-051
Multimode Patch Cord with FC / FC Connectors (3 metres) 50 µm	22440-010	EU DC Power Supply	27900-052
Multimode Patch Cord with FC / ST Connectors (3 metres) 50µm	22440-011		
Multimode Patch Cord with FC / SC Connectors (3 metres) 50 µm	22440-012		
Multimode Patch Cord with ST / ST Connectors (3 metres) 50 µm	22440-013		
Multimode Patch Cord with ST / SC Connectors (3 metres) 50 µm	22440-014		
Multimode Patch Cord with SC / SC Connectors (3 metres) 50 µm	22440-017		
Multimode Patch Cord with FC / ST Connectors (3 metres) 62.5 µm	22440-028		
Multimode Patch Cord with ST / ST Connectors (3 metres) 62.5 µm	22440-029		
Multimode Patch Cord with ST / SC Connectors (3 metres) 62.5 µm	22440-030		
Multimode Patch Cord with FC / SC Connectors (3 metres) 62.5 µm	22440-031		
Multimode Patch Cord with SC / SC Connectors (3 metres) 62.5 µm	22440-032		
Multimode Patch Cord with FC / FC Connectors (3 metres) 62.5 µm	22440-033		