

MLS2000

Single Mode Stabilized Laser Source



- 1310 nm & 1550 nm Dual laser source
- Fast laser stabilization
- High stability output
- High output power
- Temperature compensated
- Continuous and modulated outputs
- Ruggedised waterproof housing to IP54
- 3 Year manufacturer's warranty

DESCRIPTION

The MLS2000 is a stable optical dual laser 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 1310 nm or 1550 nm at a level of -6 dBm into a 9/125 multi-mode fiber.

It is particularly suitable for the testing of SDH, CATV, Telecom and other single mode links.

Although the MLS2000's main use is in single mode fiber optic cable loss testing, other applications include optical loss testing, and acceptance testing of optical receivers.

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

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

SPECIFICATION

Source Type

Dual Laser

Wavelength

1310 nm and 1550 nm typical

Wavelength Accuracy

+/- 30 nm

Output Level

Typically >-6 dBm into 9/125 single mode fiber

Output Stability:

Typically <0.05 dB over 1 hour at 23°C

Stabilisation Time

Typically 30 seconds from power up @ 23°C

Output

Continuous or 1 kHz Modulated

Batteries

2 AA Alkaline Cells (NiMh or NiCad can be used)

Battery Consumption

40 mA nominal

Power Input

Can operate and charge internal batteries using optional charger

Safety

Laser Class 1

Case Dimensions

160 mm x 83 mm x 30 mm

Instrument Weight

220g

Operational Temperature

-15°C to +50°C (5°F to 122°F)

Operational Humidity

95% at 40°C (104°F)

Storage Temperature

-20°C to 70°C (-4°F to 158°F)

ORDERING INFORMATION

Item	Order Code	Item	Order Code
Single Mode light source with FC connector	MLS2000	In-line gender changing adaptor with Multimode ST connectors	22440-019
Included Accessories			
User Guide	6172-627	In-line gender changing adaptor with Single mode SC connectors	22440-020
Test & Carry Pouch	6220-714	In-line gender changing adaptor with Multimode SC connectors	22440-021
Optional Accessories			
Single Mode Patch Cord with FC / SC Connectors (3 metres)	22440-007	In-line gender changing adaptor with Single mode ST connectors	22440-022
Single Mode Patch Cord with FC / FC Connectors (3 metres)	22440-008	In-line gender changing adaptor with Single mode FC connectors	22440-003
Single Mode Patch Cord with FC / ST Connectors (3 metres)	22440-009	Bare Fiber adaptor SC connector	25970-034
Single Mode Patch Cord with ST / ST Connectors (3 metres)	22440-015	Bare Fiber adaptor FC connector	25970-035
Single mode patch cord with ST/SC connectors (3 metres)	22440-027	Bare Fiber adaptor ST connector	25970-036
Single Mode Patch Cord with SC / SC Connectors (3 metres)	22440-016	Bare Fiber adaptor SC, ST and FC connectors	25970-037
Multimode Patch Cord with FC / FC Connectors (3 metres) 50 µm	22440-010	UK DC Power Supply	27900-050
Multimode Patch Cord with FC / ST Connectors (3 metres) 50µm	22440-011	USA DC Power Supply	27900-051
Multimode Patch Cord with FC / SC Connectors (3 metres) 50 µm	22440-012	EU DC Power Supply	27900-052
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		

UK
Archcliffe Road Dover
CT17 9EN England
T +44 (0) 1304 502101
F +44 (0) 1304 207342

UNITED STATES
4271 Bronze Way
Dallas TX 75237-1088 USA
T 800 723 2861 (USA only)
T +1 214 333 3201
F +1 214 331 7399

OTHER TECHNICAL SALES OFFICES
Norristown USA, Toronto CANADA,
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