

MLS635

Visible Light Source



- **635 nm high intensity laser source**
- **9 times brighter than conventional 670 nm units**
- **Visual location of faults in patch panels, trays, etc.**
- **Simple identification of fiber breaks**
- **Suitable for Single or Multimode fiber**
- **Exceptional battery life**
- **Dry Cell or Rechargeable operation**
- **Rechargeable cells charged within the product**

DESCRIPTION

The MLS635 is a hand-held, stable, visible light source that can be used to visually test optical fiber cables, splices and connectors on both multimode and single mode systems.

Any sharp bends and breaks in jacketed or bare fibers, or poorly mated connectors, will cause a proportion of the guided visible light to escape making the MLS635 ideal for identifying faults in fiber optic jumper cables, distribution frames, patch panels and splice trays.

It can also be used for end-to-end continuity tests, connector identification in patch panels, fiber tracing, and fibre identification during splicing operations.

The MLS635 uses a high intensity 635 nm laser, which is approximately nine times brighter to the human eye than other units operating at 660 or 670 nm, providing 0.6 mW into 9/125 fiber. This means that any break or other loss in a fiber optic system is much easier to see, even through jacketed Kevlar cables.

Battery status warning indicates low battery condition. An optical charger is available when using rechargeable batteries.

SPECIFICATION

Source Type:
Class II Laser

Wavelength:
635nm typical

Output Power Level:
Max. 1 mW into 62.5/125 Fiber

Fiber Type:
Single or Multimode

Output:
Continuous or 2Hz 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:
FC

Safety:
Laser Class 2

Case Dimensions:
160 mm x 83 mm x 30 mm

Instrument Weight:
230 g

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
Visible Light source with FC connector	MLS635	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	6172-625	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	Bare Fiber adaptor SC connector	25970-034
Single Mode Patch Cord with FC / FC Connectors (3 metres)	22440-008	Bare Fiber adaptor FC connector	25970-035
Single Mode Patch Cord with FC / ST Connectors (3 metres)	22440-009	Bare Fiber adaptor ST connector	25970-036
Single Mode Patch Cord with ST / ST Connectors (3 metres)	22440-015	Bare Fiber adaptor SC, ST and FC connectors	25970-037
Single mode patch cord with ST/SC connectors (3 metres)	22440-027	UK DC Power Supply	27900-050
Single Mode Patch Cord with SC / SC Connectors (3 metres)	22440-016	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		