

# MLS

## Multi-wavelength Laser Source

— A powerful tool for optical network test

The **ShinewayTech**® MLS series are powerful, pocketsize, lightweight, easy-to-use stabilized laser sources with higher customer value. Based on advanced technologies of precision laser control, the MLS models have been designed to provide high capability of laser source for engineering, R&D and equipment manufactures in optical network.

Ideal tools for both laboratory and field applications, with features of damp and shock proof design and dual-way powering system, the MLS series can be widely applied under the situation of laboratory, LANs, WANs and CATV as well as long-distance optical network. Besides, the internal microprocessor and linear amplifier technology ensure the long-time accuracy.

The MLS series can provided a very stabilized optical signal at several kinds of wavelength, together with any of ShinewayTech is Optical Power Meters, can be used to identify optical fiber, measure optical attenuation, verify continuity and evaluate fiber link transmission quality.

Besides, the MLS series contain a 650nm visible red laser source for finding breaks. It generates red laser and the visible red laser that escaping from optical fibers makes testing and finding breaks in LANs, verifying continuity, checking the validity of patch cables or looking for cracked fiber in splice cases, bad connectors, tight bends in fiber cable.



### Features

- Multi-wavelength selectable
- Most wavelengths in optical network are supported
- Easy-to-use visible laser source for finding breaks
- Modulation in CW and modulated frequencies
- Modulation frequencies in 270,1K, 2KHz (1Hz@650nm)
- 1625nm laser source with optical power meter to measure upper limit loss in DWDM
- Dual-way powering system including a 1600mAh battery and an optional power adapter
- Low battery annunciator
- Auto off function conserving battery life
- CE, FCC, FDA certificates



### Specifications

Model	MLS-20A	MLS-20B	MLS-20C	MLS-20D
Wavelength (±30nm)	850,1300, 1310,1550	650,850,1300, 1310,1550	850,1300,1310, 1490,1550	850,1300,1310, 1550,1625
Emitter Type	FP-LD@650,850,1300,1310,1490,1550nm; DFB-LD@1625nm			
Spectrum Width	≤5			
Output Power	≥-3 dBm@650nm; ≥-7 dBm@850,1300,1310,1490,1550,1625nm			
Modulation	1Hz@650nm;			
Frequencies	270,1K,2KHz@850,1300,1310,1490,1550,1625nm			
Stability	±0.05 dB/15min; ±0.10dB/8hr@1310/1490/1550/1625nm; ±0.15dB/8hr@850/1300nm			
Connector Type	FC/PC(Interchangeable SC,ST)			
Range of Use	Multi/Single Mode Fiber			

### General Specifications

Power Supply	NiMH rechargeable battery (1600mAh) / AC adapter
Battery Life	≥40 hours
Operating Temp.	0°C ~ 50°C
Storage Temp.	-20°C ~ 70°C
Relative Humidity	0 ~ 95% (non-condensing)
Weight	1.3 lbs (600g)
Dimension (H×W×T)	7.7×3.9×1.7 inch (196×100×44mm)

**Note:** Specifications subject to change without notice;

### Ordering Information

Standard Configuration:

Instrument(including rechargeable battery), AC adapter, Rubber boot, Compact carrying soft bag, Warranty card, CE certificate, Certificate of Calibration, User's manual.FC apapter

Optional Accessory:

Part Description	Part Number( P/N)	Part Description	Part Number (P/N)
3m, optical patch cord	AC-FJC-03-FC/FC	Ceramics core for LS	AC-FRL-C
SC connector for LS	AC-CONN-SC-L	ST connector for LS	AC-CONN-ST-L