

SLS-50 Intelligent Stabilized Laser Source

- ◆ 6dB adjustable power output range
- ◆ Automatic wavelength identification
- ◆ Remote reference value setting
- ◆ FTTx applicable
- ◆ USB power charging
- ◆ No warm-up, quick start
- ◆ Backlight
- ◆ Over 70 hours continuous operation
- ◆ Pocketsize, lightweight and easy-to-use
- ◆ CE, FCC, FDA certificates



SLS-50 can generate highly stable optical signals at multiple wavelengths to precisely measure optical link loss and identify optical fiber paired with ShinewayTech OPM-50 Intelligent Optical Power Meter.

6dB Adjustable Power Output Range

Output Power can be adjusted at minimum 0.01dB/step within a range of 6dB (NA at 650nm).

Automatic Wavelength Identification

SLS-50 can transmit digital encrypted signals through tested fiber to OPM-50 which can automatically identify input wavelength and switch to the corresponding test mode. This feature greatly reduces the workload at both ends and avoids potential error.

Remote Reference Value Setting

SLS-50 can transmit digital-encrypted signal with power parameters through tested fiber to OPM-50 as reference for precise link loss measurement even the two units are far apart.

Compatible with FTTx

SLS-50 can generate highly stable signals at 1310nm, 1490nm, 1550nm and 1625nm wavelength, compliant with Passive Optical Network (PON) and FTTx standards.

Direct LCD Display of Output Power

The power value of SLS-50 output signal can be directly displayed on its LCD screen for easy reference.

Specifications

Model	SLS-50				
	A	B	P	X	V
Wavelength ($\pm 20\text{nm}$)	1310/1550	850/1300	1310/1490/1550	1310/1550/1625	650/1310/1550
Optical Port	1				2
Spectrum Width	$\leq 5\text{nm}$				
Application Range	Multimode/Singlemode fibers				
Emitter Type	FP-LD@650,850,1300,1310,1550nm; DFB-LD@1490,1625nm				
Output Power	$\geq 3\text{dBm}@650\text{nm}$; $\geq -3\text{dBm}@850/1300/1310/1490/1550/1625\text{nm}$				
Power Stability	$\pm 0.05\text{dB}/15\text{min}$; $\pm 0.10\text{dB}/8\text{hr}@1310/1490/1550/1625\text{nm}$; $\pm 0.15\text{dB}/8\text{hr}@850/1300\text{nm}$				
Output Mode	CW, 1Hz@650nm; CW,270Hz,1KHz,2KHz@850/1300/1310/1490/1550/1625nm				
Adjustment Range	6dB (NA at 650nm)				
Adjustable Steps	0.01/0.1/1dB				
Auto Wavelength Identification	Yes (With OPM-50)				
Output Power Display	Yes				
Connector	FC/PC (Interchangeable SC, ST)				
Power Supply	Lithium Battery / AC Adapter				
Battery Life	Continuous operation ≥ 40 hours; Standby ≥ 140 hours				
Power Saving	Auto-off after 5 minutes idle				
Operating Temp.	$0^{\circ}\text{C}\sim 50^{\circ}\text{C}$				
Storage Temp.	$-20^{\circ}\text{C}\sim 70^{\circ}\text{C}$				
Relative Humidity	0 ~ 95% (non-condensing)				
Weight	315g (0.69 lbs)				
Dimensions (HxWxT)	177x80x44mm (6.97x3.15x1.73 inch)				

* Specifications subject to change without notice

Ordering Information

Standard Package includes:

Instrument, Lithium battery, AC adapter, Soft carrying case, Warranty card, CE certificate, Certificate of calibration, User manual.

Optional Parts

Part Description	Part Number (P/N)	Part Description	Part Number (P/N)
3M Optical patch cord	AC-FJC-03-FC/FC	Ceramic Core for LS	AC-FRL-C
SC Connector for LS	AC-CONN-SC-L	ST Connector for LS	AC-CONN-ST-L

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