

SLS-50 Intelligent Stabilised Laser Source

Product Overview

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

Features

- 6dB adjustable power output range
- Automatic wavelength identification/switch
- Remote reference value setting
- FTTx applicable
- USB power charging
- No warm-up, quick start
- Backlight
- Over 40 hours of continuous operation
- Pocketsize, lightweight and easy-to-use
- CE, FCC, FDA certificates

6dB Adjustable Power Output Range

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

Automatic Wavelength Switch

SLS-50 can transmit digitally encrypted signals through tested fibre to OPM-50 which can automatically identify the input wavelength and switch to the corresponding test mode. This feature greatly reduces the workload at both ends and avoids potential errors. Users can select the working wavelength and SLS-50 will automatically toggle between working wavelengths.

Remote Reference Value Setting

SLS-50 can transmit digitally-encrypted signal with power parameters through tested fibre to OPM-50 as a reference for precise link loss measurement even if 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	C	V	X
Wavelength ($\pm 20\text{nm}$)	1310/1550	850/1300	1310/1490/1550	850/1310/1550	650/1310/1550	1310/1550/1625
Port Number	1	1	1	2	2	1
Spectrum Width	$\leq 5\text{nm}$					
Application Range	Multimode/Singlemode fibres					
Emitter Type	FP-LD@650,850,1300,1310,1550nm; DFB-LD@1490,1625nm					
Output Power	$\geq 3\text{dBm}$ @650nm; $\geq -3\text{dBm}$ @850/1300/1310/1490/1550/1625nm					
Power Stability	$\pm 0.05\text{dB}/15\text{min}$; $\pm 0.10\text{dB}/8\text{hr}$ @1310/1490/1550/1625nm; $\pm 0.15\text{dB}/8\text{hr}$ @850/1300nm					
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/Switch	Yes (With ShinewayTech OPM-50/OLT-55)					
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.	$-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$					
Storage Temp.	$-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$					
Relative Humidity	0 ~ 95% (non-condensing)					
Weight	315g (0.69 lbs)					
Dimensions (H×W×T)	177×80×44mm (6.97×3.15×1.73 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.

