

Stabilized Light Source

SLS-200



Product Overview

The SLS-200 series of fixed light sources is a highly configurable system with many different options and customizations. The SLS-200 can be configured with up to 24 discrete lasers or LEDs. The system can also have a mix of difference source types, wavelengths, fiber types, and output power to accommodate any and all applications in one box.



Factory Configurable Wavelength Mix

Each SLS system is highly configurable. The system can have a mix of LED sources, laser sources, different fiber types and different output power levels. If a standard configuration does not fit the application, please contact a sales representative to discuss the possibility.

Compact Benchtop System

The SLS systems come in a 1U half rack system with up to 8 discrete sources, a 2U half rack system with up to 16 ports of optical sources, or 2U full rack system with up to 48 outputs. If required the SLS system can be further expanded. This compact size allows for more working bench space for the technician.



Calibration Not Required

Due to the stability of these optical sources in power and wavelength, there is no need to get them calibrated unless specified by quality processes.

Features

- Factory configurable wavelength mix
- Adjustable output power
- Customer definable launch conditions
- SCPI commands via USB or Ethernet
- Support common connector types
- LEDs, Lasers, SLED options available



Applications

- Optical alignment
- Environmental testing of IL for cables and optical components
- Real time IL monitoring



Compliance

 Available with controlled launch conditions (EF, 70/70, 85/85, AS100 etc.)



Support for Most Common Connector Types

The SLS systems accommodate standard connector types such as SC, LC, FC, ST, etc.

USB and Ethernet Communication Interfaces



Integrate the SLS system into an automation process using the USB SDK or via ethernet commands to control the instrument.

SLS Optical / Electrical Specifications

Parameter	Specification			
	DFB Laser	FP Laser	LED	
Fiber Type (µm)	9/125	9/125	50/125, 62.5/125 or 105/125	
Launch Condition	N/A	N/A	Available upon request	
Nominal Wavelengths (nm) 1	1271 to 1611 ²	1310 / 1490 / 1550 / 1625	850 / 1300	
Center Wavelength Accuracy (nm)	< 3	< 15	< 30	
Source Bandwidth (nm)	<1	< 10	> 30	
Output Power (typ.) (dBm)	0, 10, 13, 20, 23, 26	0 10	-18 @ 850 nm -21 @ 1300 nm	
Source Stability (dB) ²	± 0.02 ³			
Remote Interface	USB or Ethernet			
Display	5" touch screen			
Input Voltage	100-240 V AC, 50-60 Hz			
Power Consumption (VA)	60 maximum			

Notes

- ¹ Custom sources available upon request
- ² Selectable in 20 nm increments, smaller increments available upon request.
- $^{\rm 3}$ Over 1 hour with maximum temperature variation of 1 $^{\rm \circ C}$

SLS Mechanical / Environmental Specifications

Parameter	Specification		
Chassis Type	1U Half Rack	2U Half Rack	2U Full Rack
Unit Dimensions W x H x D (cm) ¹	22.5 x 4.5 x 32.5	22.5 x 9 x 32.5	42.5 x 9 x 32.5
Unit Weight (kg)	6	8	12
Shipping Box Dimensions W x H x D (cm)	36.5 x 39 x 53		
Volumetric Weight (kg²)	15		
Operating Temperature (°C)	0 to 40		
Storage Temperature (°C)	-40 to 70		
Humidity (Non-condensing)	Maximum 95% RH from 0 to 40°C		

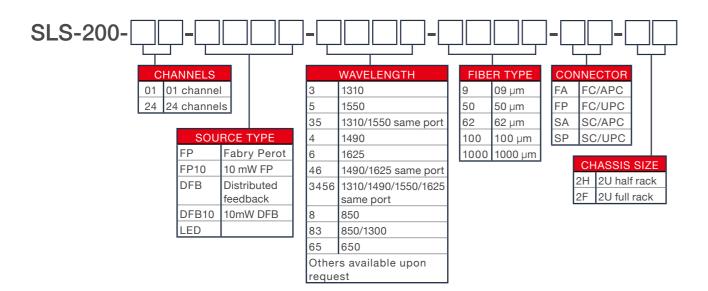
Notes:

¹ Excluding removable rubber bezels, Add 1.5cm to W and 3.5cm to H

Ordering Scheme & Instructions



1. Configure SLS Stabilized Light Source





SLS-200 - Stabilized Light Source - Switched Output

• SLS-200

• Ethernet Cable

Power Cable

USB Cable











Santec Japan Corporation Tel: +81-568-79-3536

Santec Europe Ltd Tel: +44-20-3176-1550 Santec USA Corporation Tel: +1-800-726-8321

> Santec (Shanghai) Corporation, Ltd Tel: +86-21-58361261



2022© SANTEC CORPORATION Santec reserves the right to make changes in equipment design, components or specifications without notice.

SLS-200-C-E_Ver1-0_CODE-202506-TB-KT-CPY