

SLH-100

Handheld Stabilized Light Source



Features

- Excellent optical power stability
- High reconnection repeatability
- Standards compliant LED and laser sources for maximum measurement confidence
- Supports one-touch autotest
- Supports tone detection with multifiber ID
- Optional VisiTest Visual Fault Locator
- Interchangeable connectors
- Flexible power options
- Meets MIL PRF 28800F class 2



Applications

- Field insertion loss testing
- Field polarity testing
- Simplex, duplex and MPO/MTP IL testing
- Fiber identification (when used with compatible OPM)



Compliance

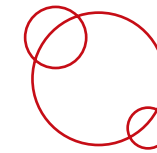
- IEC-61300-3-4

Product Overview

Santec's Handheld Stabilized Light Source, SLH-100, is a reliable and versatile handheld optical light source incorporating up to six mixed LED, laser, and visual fault locator (VFL) emitters in a rugged and compact package. Paired with a Santec handheld optical power meter (OPH-100), the SLH-100 is ideal for mixed multimode and single-mode fiber testing, and is an essential tool for installers, contractors, and field technicians.

Combining multiple source wavelengths and functions into one compact package means fewer instruments to take along and less equipment juggling for faster, more confident measurements.

The SLH-100 is available in a wide range of models including LED-only, laser-only, and mixed LED and laser sources. Available wavelengths are 470 nm to 1300 nm for LED sources, and from 1310 nm to 1625 nm for laser sources. Ultra-stable LED and laser sources are available with zero warm-up time and are ideal for long term monitoring and optimal performance under varying optical return loss (ORL).

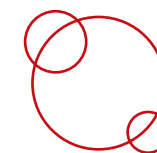
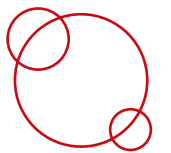


Excellent Optical Power Stability for Reliable and Repeatable Measurements

Typical stability over temperature is 0.35 dB for LED sources and 0.6 dB for laser sources. Stability over temperature for ultra-stable zero warm-up sources is as low as 0.2 dB max for LED and laser sources.

High Reconnection Repeatability

Reconnection repeatability of 0.1 dB over a wide range of LED and laser wavelengths provides steady output power every time the SLH-100 is connected to perform measurements.

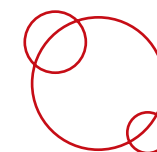
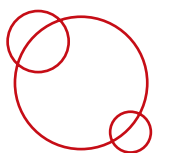


Standards Compliant LED and Laser Sources for Maximum Measurement Confidence

LED sources are controlled and certified to ensure compliance with Encircled Flux (EF) standards without additional conditioning patch leads. Laser sources are compliant with CWDM standards covering typical cable qualification for the O, E, S, C, and L bands, including the water absorption peak at 1625 nm.

Supports One-Touch Autotest Capability Using a Compatible Santec Power Meter

One-touch autotest synchronizes the instrument settings and test process with a compatible Santec optical power meter (OPH-100) using the fiber under test. Enables fast, reliable, and repeatable testing in less time and with fewer user errors. Up to 6 wavelengths can be tested, with 3 wavelengths displayed simultaneously along with the nominal power level for each source.



Supports Tone Detection with Multifiber ID

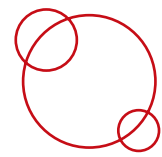
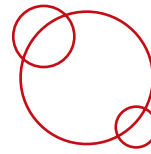
Paired with a Santec optical power meter incorporating Multifiber ID, the SLH-100 can be used to identify up to 12 different fibers, in addition to standard optical test tones, i.e., 270 Hz, 1 KHz, and 2 KHz. This makes continuity testing, polarity testing, and fault finding fast and reliable.

 **In the Box****SLH-100 - Handheld Stabilized Light Source**

- SLH-100
- Optical power meter adapter
- 2 AA batteries
- Rugged case
- Lanyard

Optional VisiTest Visual Fault Locator

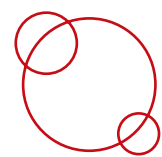
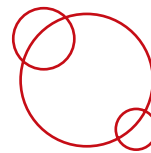
VisiTest, when paired with a compatible Santec power meter, flashes the connected fiber that is currently in use. This eliminates the need for time-consuming polarity guesswork. The VisiTest produces a red light for visible identification as well as an infrared output allowing for long-distance fault identification using a clip-on fiber identifier.

**Simple Controls with Large Backlit LCD Display**

Multi-function buttons make accessing all measurement wavelengths and features easy and intuitive. High contrast display can be read in bright sun; backlight can be used in dark environments.

Interchangeable Connectors are Protected Against Drops and Impact

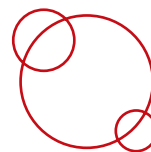
The SLH-100 accommodates all industry standard fiber optic connectors, including FC, LC, ST, D4, MU, LSA-DIN47256, and E2000. Built-in bumpers and an integral dust cover protect the connector interface against damage and contamination. The dust cover doubles as a stand when used on a benchtop or other surface.

**Flexible Power Options**

The SLH-100 can be powered using two AA-type alkaline batteries, rechargeable NiMH batteries, or external micro USB power. Internal NiMH battery charging can be selected by moving a jumper in the battery compartment. Typical battery life using Autotest mode for LED sources is 80 hours, 90 hours for laser sources.

Meets MIL PRF 28800F Class 2 General Requirements

The SLH-100 features a strong, moisture resistant polycarbonate case with rubber edges and corners to withstand harsh outside environments. The case has been designed and tested to withstand one meter drops onto a hard surface.

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