

Handheld Laser Sources

HLS-1

The HLS-1 is a compact, rugged laser source designed specifically for portable applications. It is extremely useful in laboratory and manufacturing environments as a general-purpose light source and, when paired with an optical power meter such as the General Photonics HPM-1, for checking the insertion loss of different optical components. The HLS-1 can operate continuously for over 8 hours on a single charge, and comes complete with a rubber protection frame, carrying case, rechargeable battery, power supply, and FC, SC and ST adapters. Its bright yellow color ensures easy identification in the field or in a messy laboratory environment. Each unit may contain up to three lasers with wavelengths of 1550, 1480, 1310, or 850 nm. The laser output power can either be constant (CW, or continuous wave mode), or modulated at a rate of 270Hz, 1 kHz, or 2 kHz (modulated mode). The HLS-1 provides a low cost, reliable solution to your optical power requirements.



Preliminary Specifications

Center Wavelengths	850, 1310, 1480, 1550, 1310/1550 nm
Center Wavelength Accuracy	± 20 nm
Output Power	> -9 dBm
Power Stability	± 0.05 dB / 15 min ± 0.10 dB / 1 hr. (20°C)
Output Mode	CW or Modulated (270 Hz, 1 kHz, 2kHz)
Output Connector	FC, SC or ST
Battery Operating Time Per Charge	8 Hours
Power Supply	8.4 V rechargeable battery with power adapter
Battery Charging Time	3 hrs.
Operating Temperature	0 - 40 °C
Storage Temperature	-20 - 70 °C
Dimensions	140 × 78 × 38 mm
Weight	0.5 kg

Note: Special wavelength configurations available. Contact General Photonics for details.

Applications:

- Field installation of optical networks
- Field maintenance of optical networks
- Manufacturer component testing
- Light source for R&D labs
- Light source for teaching labs

Unique Features:

- Low cost
- Compact size
- Bright color for easy identification
- Low maintenance
- Multiple wavelengths
- CW or modulated outputs

Ordering Information:

HLS - 1 - XX



Wavelength option:

- 1 = 1550 nm
- 2 = 1480 nm
- 3 = 1310 nm
- 4 = 850 nm
- 13 = 1550/1310 nm



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