

NEW

50kHz high-speed, Wide range Swept Source HSL-1100-HW

Santec introduces new top-notch range of high speed swept source. HSL-1100 boasts the widest swept range for the 1mm swept source in the market. This source is suitable for the use in ophthalmology applications. Output power is improved to $\geq 12\text{mW}$ for better penetration in the in-vivo eye measurement.



Features

- ▶ 50kHz scan rate available
- ▶ $\geq 80\text{nm}$ scan range
- ▶ Low RIN
- ▶ $\geq 12\text{mW}$ high power
- ▶ No k-trigger nor wavelength rescaling process required (up to 1-2 mm depth)
- ▶ PMF output available
- ▶ Available in bench top and compact OEM footprint

Applications

- ▶ Ophthalmology OCT
- ▶ Endoscopic OCT
- ▶ (ex. Cardiovascular, Gastrointestinal applications)

Specification

Parameter	Specification	Notes
Center wavelength	1045-1075 nm	
Scan range	$\geq 80\text{nm}$	
Scan rate	50kHz	
Coherence length	$\geq 4\text{mm}$	
Output power	$\geq 12\text{mW}$	At peak
RIN	$\leq -120\text{dB/Hz}$	Over 10 to 100MHz
Size	343×376×153mm 200×300×100mm	HSL-2100/1100 HSL-200

* Please note, these specifications are subject to change due to on-going engineering developments.

Improved performance

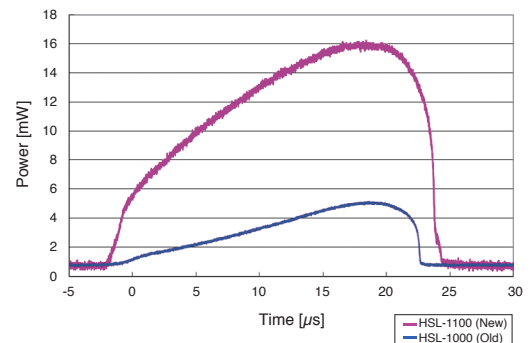
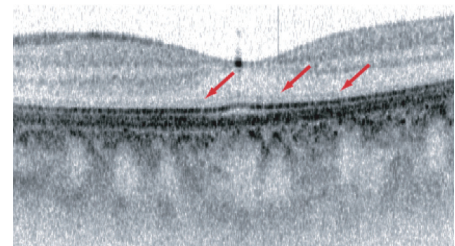


Image examples



In vivo human macula
In courtesy of Tsukuba Univ.(Op.Ex6121(2007))

www.santec.com E-Mail : sales@santec.com

2008 © SANTEC CORPORATION Santec reserves the right to make changes in equipment design, components or specifications without notice.



SANTEC CORPORATION
5823 Ohkusa-Nenjoyozaka, Komaki, Aichi 485-0802, Japan Tel. +81-568-79-1959 Fax +81-568-79-1718

SANTEC U.S.A. CORPORATION
433 Hackensack Ave., Hackensack, NJ 07601, U.S.A. Toll Free +1-800-726-8321(santec-1) Tel. +1-201-488-5505 Fax +1-201-488-7702

SANTEC EUROPE LIMITED
Magdalen Centre, Robert Robinson Ave., The Oxford Science Park, Oxford OX4 4GA, U.K. Tel. +44-1865-784960 Fax +44-1865-784961

SANTEC (SHANGHAI) Co., Ltd.
No.800 Zhangyang Road Changhang Tower, Pudong District, Shanghai 200122 China Tel: +86-21-58361261, +86-21-58361262 Fax: +86-21-58361263