

NEW

Wide range Swept Source HSL-2100-WR

Santec introduces new top-notch range of high speed swept source. New source realizes 20kHz fastest scan while maintaining wide scan range of over 170nm. This feature provides advantage in ultra high-speed imaging or motion-sensitive applications, i.e. ophthalmology, endoscope applications. Polygon-scanner based system with PMF fiber ring configuration boasts industrial-class high reliability. Santec also supports the integration of HSL into customer's system providing lots of options as well as OCT system software.

Features

- ▶ 20kHz scan rate available
- ▶ $\geq 170\text{nm}$ swept range
 $>4\mu\text{m}$ axial resolution (theoretical)
- ▶ Low RIN
- ▶ $\geq 20\text{mW}$ high power
- ▶ PMF output available
- ▶ Available in bench top and compact OEM footprint

Applications

- ▶ High resolution OCT

Specification

| Parameter | Specification | Notes |
|-------------------|--------------------------------|---------------------|
| Center wavelength | 1290-1320nm | |
| Scan range | $\geq 170\text{nm}$ | |
| Scan rate | 20kHz | |
| Coherence length | $\geq 6\text{mm}$ | |
| Output power | $\geq 20\text{mW}$ | At peak |
| RIN | $\leq -120\text{dB/Hz}$ | Over 10 to 100MHz |
| Size | 343×376×153mm 200×300×100mm | HSL-2100 HSL-200 |

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



Wavelength Range

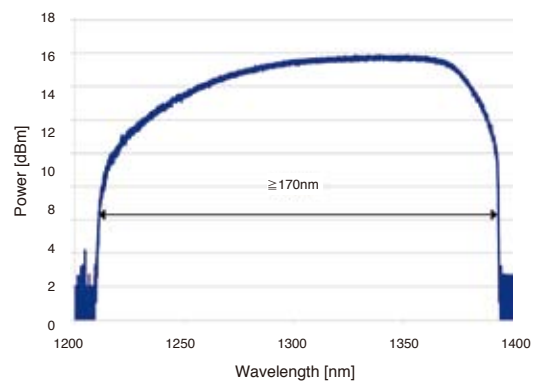
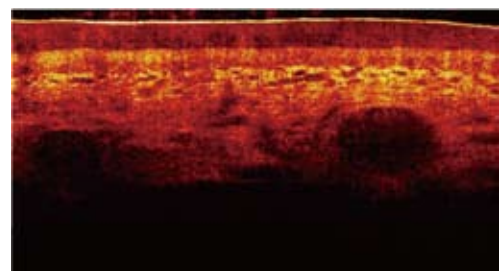


Image examples



In courtesy of Michelson Diagnostics Ltd.

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