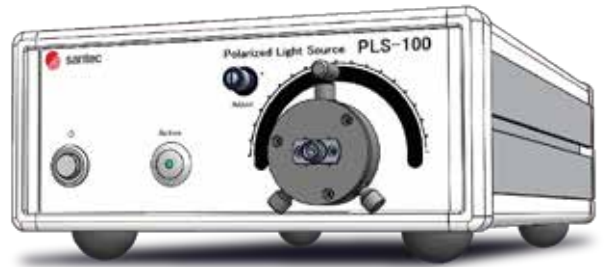


NEW

Polarized Light Source PLS-100

The PLS-100 is a light source with well defined polarization. It features stable high output power while maintaining a high polarization extinction ratio (PER) of 45dB (typ.). Combining PLS-100 and PEM-330 (Polarization Extinction Ratio Meter) provides an optimized system for PER measurement of polarization maintaining (PM) fiber optic devices in both R&D and production environments.



Features

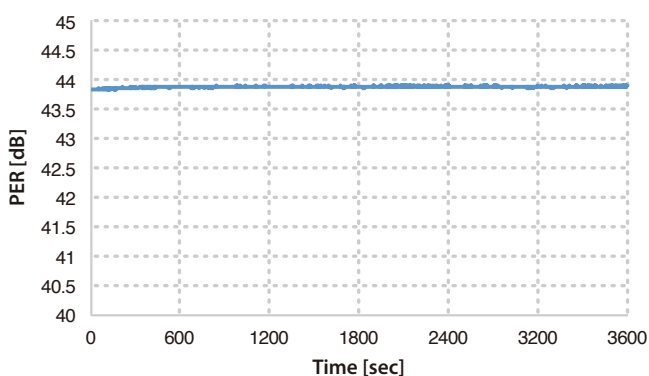
- ▶ Polarization extinction ratio, up to 45dB (typ.)
- ▶ High output power and power stability
- ▶ Wavelength range 1310 \pm 20nm or 1550 \pm 20nm

Applications

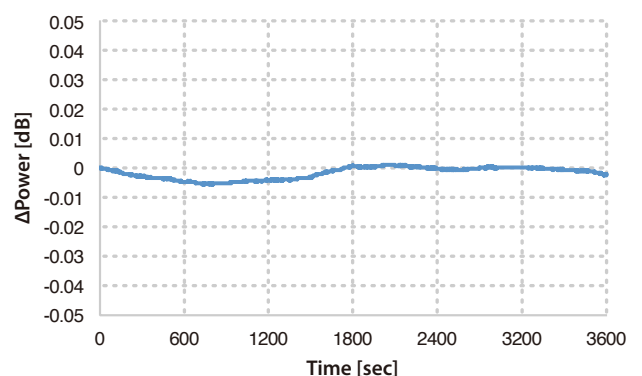
- ▶ Alignment of polarization axis of optical devices
- ▶ Connectorized PMF patch cord evaluation

Measurement Data

PER stability



Power stability



SANTEC LIGHT SOURCE

Specifications

Parameter	Unit	Specification	Notes
Wavelength Range	nm	1310±20 or 1550±20	
Polarization Extinction Ratio (PER)	dB	40	45dB typically
PER Stability @1hour *1	dB	±0.5	±0.1 typically
Output Power	dBm	0	+3dBm typically
Power Stability @1hour *1	dB	<±0.1	±0.05 typically
Power Variation by changing angle	dB	±0.2	
Linewidth (FWHM) *2	nm	>20	
Optical Connector	-	FC or SC	
Connector Polish	-	SPC	
Polarized Axis Adjustment	deg	2	Fine adjustment
	deg	180	Coarse adjustment
Operating Temperature	°C	15 to 35	
Size (W) x (D) x (H)	mm	210x350x135	except for the protruding portion
Weight	kg	3.5	
Supply Voltage	V	AC100-240 ±10%	
Frequency	Hz	50/60	

*:All measurements are taken after 60 min warm up and at stable room temperature.

*1: For period of 1 hour. Within ± 0.5 °C.

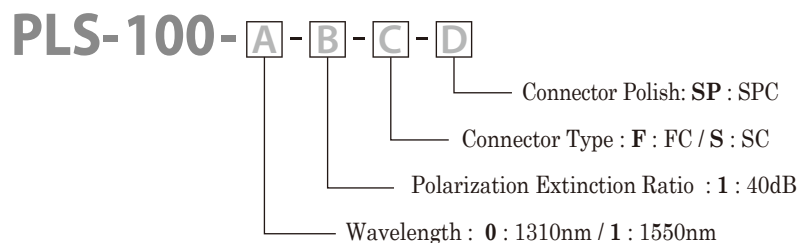
*2: Measured at Full Width Half Maximum

Laser safety information



This product is classified class 1M laser product according to IEC 60825-1 (2007). This product complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50 dated June 24, 2007.

Ordering Code



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