

Lightwave Synthesizer

LS5000

FIBERPRO's Lightwave Synthesizer (LS5000) is an innovative and versatile light source instrument which provides three kinds of light output: single wavelength, comb, and super flattened broadband light. It provides very stable optical output and the wavelength, bandwidth and output power can be easily controlled using the touch screen on the front panel. Its flexibility makes the LS5000 suitable for several applications in research and manufacturing test systems.

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Features

- Incoherent light source for Test & Measurement
- High wavelength accuracy
- Total output power : Max. 20dBm
- Three forms of outputs
 - Single wavelength incoherent light output : 50GHz & 100GHz
 - Comb source at ITU grid with spacing 25GHz, 50GHz & 100 GHz
 - Super Flat broadband source < 0.5 dB
- Output power level control
- USB remote interface
- Simple and easy operation

Specifications

Parameter	Single Wavelength	Comb	Flat Top
Output Power	> 20 dBm ¹⁾		
Wavelength Range	1527.60nm ~ 1561.54nm		
Frequency Stability	1 GHz typ.		
Number of Channels	96/48	192/96/48	
Spacing between channels	50GHz/100GHz	25GHz/50GHz/100GHz	
SNR	> 40dB		
Spectral Flatness	< 0.5 dB		
Max Ripple	+/- 1.0 dB		
Power Stability	0.02 dB/3 hr		
Operating Temperature	15 ~ 40°C		
Power Consumption	< 30 VA		
Remote Interface	USB		
Dimensions (W x D x H)	234mm x 410mm x 108mm (With Rubber) 212mm x 380mm x 86mm (Without Rubber)		

1) In Flat Top mode.

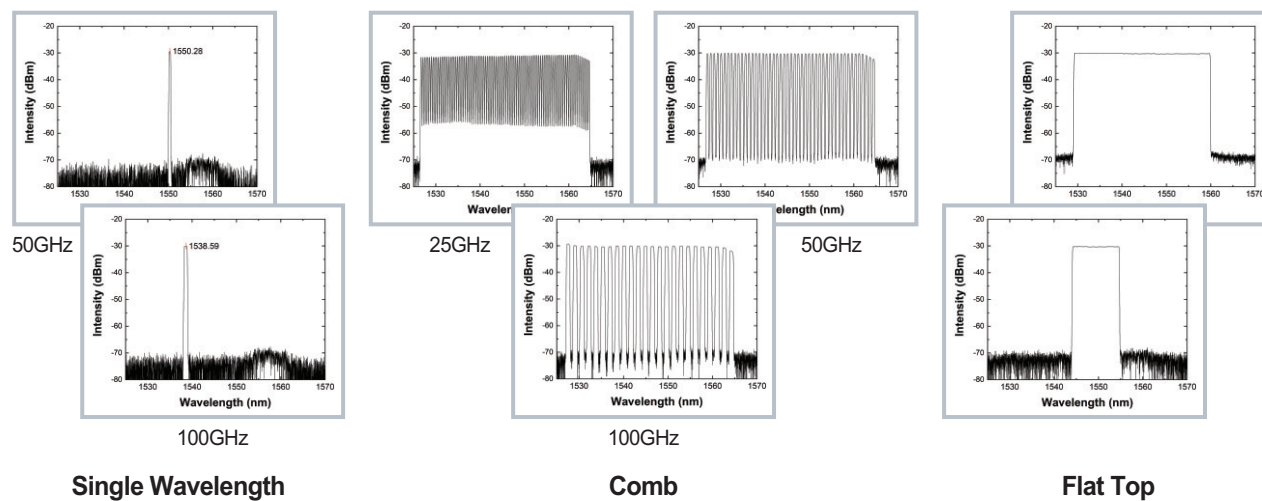
* Above specifications are subject to change without prior notice.

Ordering Codes

LS5000 - (1) - (2)

1. Output power of Flat Top source ➔ 10 : >10 dBm, 15 : > 15 dBm, 20 : > 20 dBm
2. Connector type ➔ F/P : FC/PC, F/A : FC/APC

Example



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