

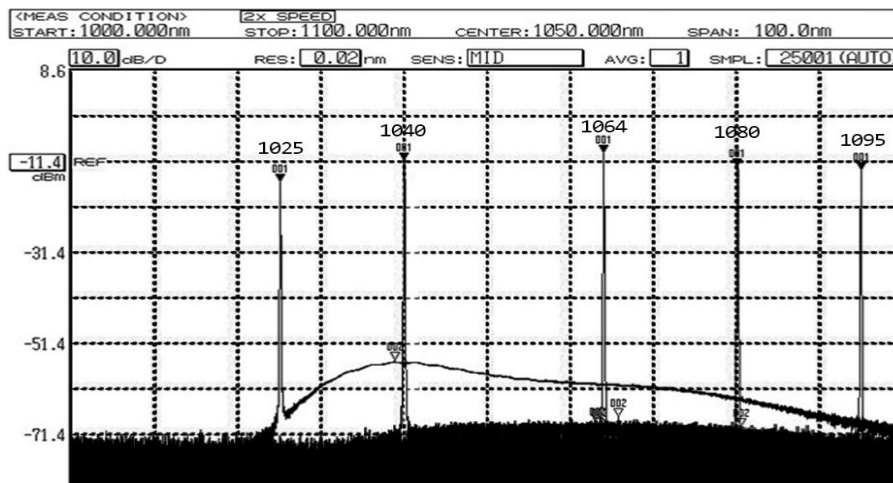
**1.0μm Tunable Fiber Laser**



**Product Description:**

Connet VENUS series 1.0μm tunable fiber laser is a high-stability laser source designed for scientific research, industrial production and optical component testing. It is based on ytterbium-doped fiber laser technology and the wavelength is continuously tunable in more than 40nm range. The laser source has narrow spectral width of less than 1nm, low noise and high optical S/N ratio.

Connet VENUS series 1.0μm tunable fiber laser has manual continuous wavelength tuning mode and electrical wavelength tuning mode (non-continuous) for option. Random polarization and linear polarization output are available. The 1.0μm tunable fiber laser has an output power of 20mW, higher output power products can be customized upon request.



**Applications:**

- Optical component testing
- Seed laser for fiber laser
- Performance evaluation of High Power Fiber Amplifier
- Nonlinear research
- Other scientific research

**Features:**

- Ultra-wide wavelength tunable range: up to 80nm
- Narrow spectral width and single-mode output
- Low noise and excellent spectral quality
- Excellent stability
- Random or linear optional



### Specifications:

Parameter	Unit	Specification		
		Min.	Typ.	Max.
Part No.		VFLS-TM-1.0-B-FA :SM		
Output power <sup>1</sup>	mW	-	20	-
Operating wavelength <sup>2</sup>	nm	1018	-	1098
Wavelength tunable range <sup>2</sup>	nm	-	40	80
Spectrum width <sup>3</sup>	nm	-	-	1
Wavelength precision	nm	0.001	0.01	-
Wavelength tunable mode		Manual (electric is optional)		
Output wavelength stability <sup>4</sup> (8h)	nm	-	0.005	0.01
Output isolation	dB	30	-	-
Output power Stability (1h)	%	-	±1	±1.5
Output power adjustable range	%	0	-	100
Operating temperature	°C	10	-	40
Storage temperature	°C	-20	-	60
Operating voltage	V	100	-	240
Output fiber type		SM Fiber (PM Fiber is optional)		
Output fiber length	m	0.8	1.0	1.2
Optical connector		FC/APC (other options available)		
Dimension	mm	19" 2U		

### Notes:

- 1.The standard output power is 20mW. Higher power is available.
- 2.The wavelength tunable range is subject to the output power.
- 3.The spectrum width is optional. Typical spectrum width is 0.7nm, 0.3nm .
- 4.The wavelength stability and power stability are measured under 25°C, after 30 minutes' warm-up.

### Ordering Information:

VFLS-TM-1.0-B-FA: SM

VFLP-TM-1.0-B-FA: PM