



Özgün Teknoloji Yerli Üretim

## Fiber Coupled Benchtop Wavelength Tunable LASER Source (W-TLS)

This state-of-the-art tunable laser source has a proprietary design by FiberLAST.

This wavelength tunable LASER source designed and produced as a benchtop equipment that simplify the usage in research and development laboratories, production lines and manufacturing testing. It has a wide wavelength tuning range and high output power stability that complies with ITU standards. It can be provided in C band, L band or C+L band.

W-TLS is widely used in Telecom applications, research and design of wavelength division multiplexers (WDMs), WDM test systems, sensing applications, gyro production and testing, etc.

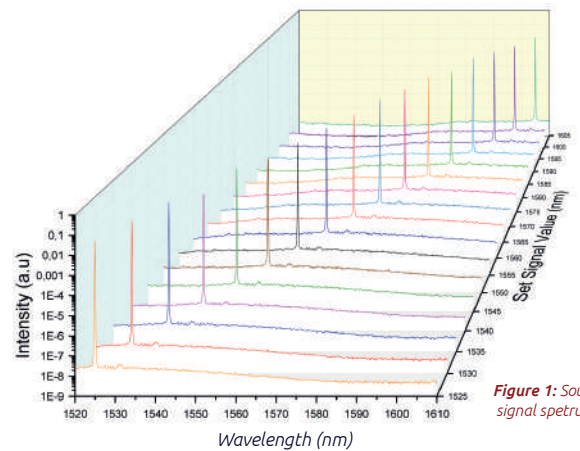


Figure 1: Source signal spectrums

### APPLICATIONS

- WDM test systems
- EDFA qualification & testing
- Communication applications
- DWDM, CWDM optic networks
- Sensing applications
- Gyro production & testing

### FEATURES

- High wavelength stability
- High resolution
- Excellent output power stability
- Wide wavelength range
- Low noise
- High OSNR
- Touchscreen display
- LED panel indicators
- BITE (Build-in test)
- USB Control interface and logging (opt)

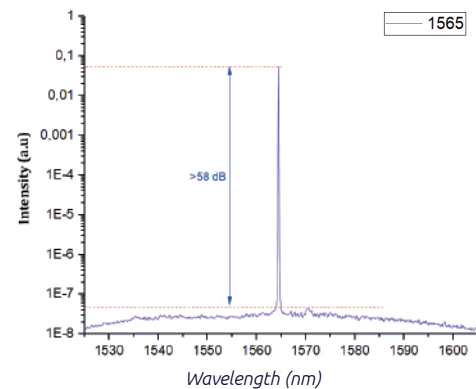


Figure 2: 1565nm signal spectrum

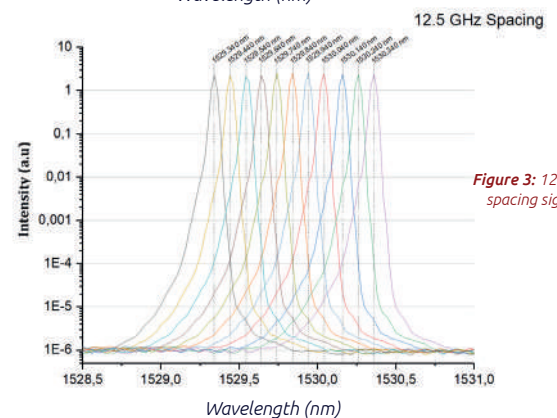


Figure 3: 12.5 GHz spacing signals



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## Fiber Coupled Benchtop Wavelength Tunable LASER Source (W-TLS)

### Technical Specifications

Product	C	L	C+L
Wavelength range	1520-1570 nm	1570-1605 nm	1520-1605 nm
Frequency band	197,81-190,95 THz	190,95-186,79 THz	197,23-186,79 THz
Set wavelength resolution	≤ 0,020 nm		
Spectral line-width	≤ 0,030 nm		
Wavelength repeatability	≤ 0,010 nm		
Tuning speed	≤ 100 ms (typ ≤ 50 ms)		
Output power	≥ 3 mW [5 dBm] (up to 100 mW [20 dBm])	≥ 1 mW [2 dBm]	≥ 1 mW [2 dBm]
SMSR	≥ 55 dB		
Output connector	FC/APC (LC/PC – SC/PC available optionally)		

### Electrical Specifications

Supply	220 VAC, 50 Hz
Power consumption	≤ 25 W

### Mechanical Specifications

Dimensions	200 x 120 x 250 mm (Benchtop) OEM module and rackmount versions are also available.
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### Environmental Specifications

Operating temperature	0 / +55 °C
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FiberLAST Fiber Laser Systems and Technologies Inc.

Adress: ODTÜ Teknokent Galyum Blok Z-3 06800 Ankara

Phone: +90 312 205 59 29 | Mail: info@fiberlast.com.tr

www.fiberlast.com.tr