O/E LAND INC.
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[OEDMS-100]

Chromatic Dispersion Measurement System with built-in Tunable fiber laser source

Features

- Wider dispersion measurement range
- Various center wavelengths available
- Affordable and competitive price
- 2-in-1 solution (Dispersion Measurement System, Tunable Laser Source)
- User friendly interface
- Turn-key solution

Applications

- Fiber Bragg gratings (FBGs)
- Optical fibers
- Optical fiber component
- Free space optical component
- Research and development

Product description

The system is based on our high-performance tunable laser sources integrated with vector network analyzer (VNA). This product is guaranteed a wider dispersion range measurement than other available products in the market.

OEDMS-100 is available at various center wavelengths including 1030 (or 1064), 1310, 1550 and 2000 nm. The built-in Tunable Laser Source (TLS) and power meter can also be used individually using a user-friendly interface through the USB port.

Product specifications

Parameter	Unit	Build-in Tunable Laser Specifications			
Center WL/ Tuning range	nm	1030 ± 30 1064 ± 30	1310 ± 40	1550 ± 40 C+L Band	2000 ± 30
Output power	mW	> 5	> 5	> 5	> 5
OSNR	dB	> 60	> 50	> 50	> 50
Output polarization state	-	Linear			

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User interface:

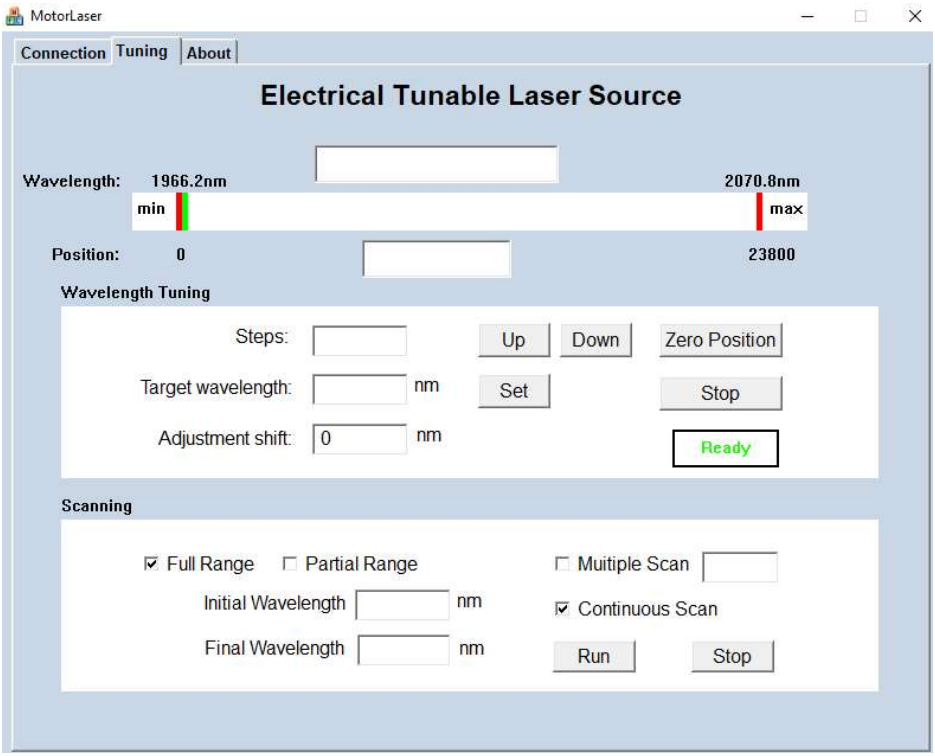

Fig. 1. Tunable laser source interface

Sample measurement:

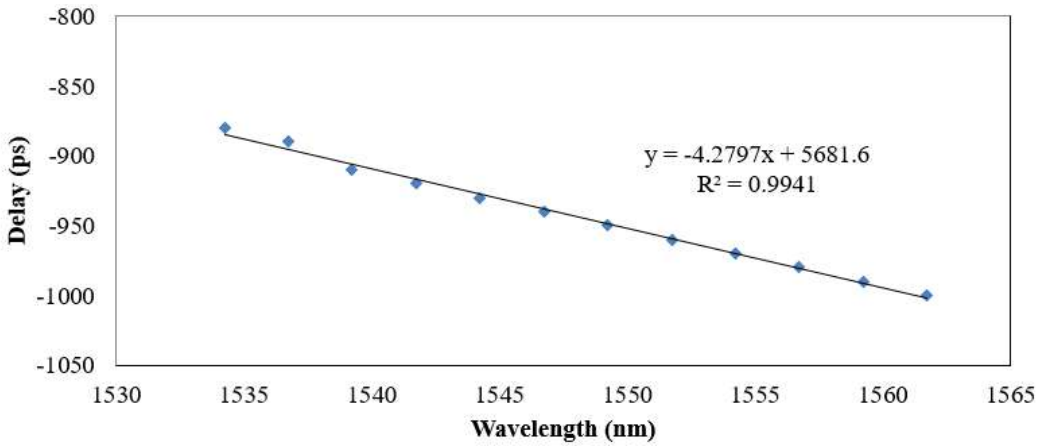

Fig. 2. Sample measurement of a Chirped-FBG with dispersion of 4.28 ps/nm

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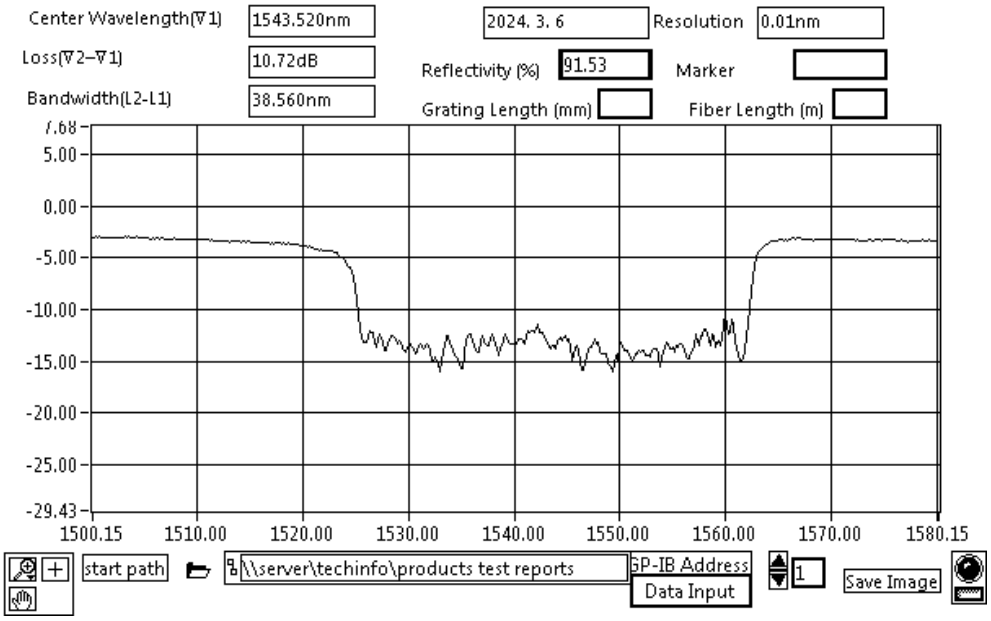

Fig. 3. Transmission spectrum of the Chirped-FBG used for the measurement in Fig. 2.

Ordering number:

OEDMS-100-WL:	WL = center wavelength (nm)
	1030, 1064, 1310, 1550, 2000
Example:	OEDMS-100-1550