



Ascentac TestMate2500 Series, Multi-channel Optical Light Source, ensures exceptional power and wavelength stability using Automatic Power Control (APC), with added temperature control on high-power models. Its wide range of wavelength options makes it ideal for testing optical components and CWDM systems.

Multi-channel Optical Light Source Ascentac TestMate2500

Desk-top 1 to 8 Channel OLS with Stable Output Power and Wavelength

Feature

- Stable laser wavelength
- Stable output power
- Low-brightness, eye-comfort display for extended use
- Space-saving design for vertical or horizontal placement
- Supports remote control via Ethernet port
- USB Type-C charging

Application

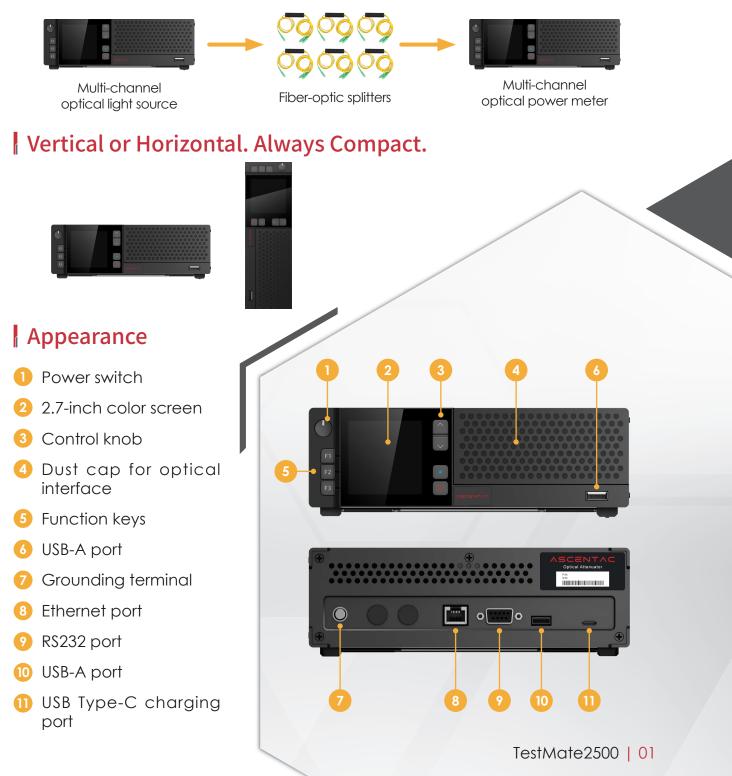
- Manufacturing & testing of optical components
- CWDM system testing

Description

Operate locally via the intuitive front panel or remotely through standard Ethernet (LAN) and RS232 interfaces. This dual-control capability allows for seamless integration into any automated test environment. The compact, dual-orientation design maximizes valuable bench space. A simple, user-friendly interface streamlines the workflow, making even complex testing straightforward and efficient.

Optical Component Testing

Measures the insertion loss of optical splitters when paired with an Optical Power Meter (OPM).



Specification

OLS			
Channel	1 to 8		
Laser Type	FP: MM 50/125um DFB: SM 9/125um MM: 850, 1300 SM: 1310, 1490, 1550, 1625 or as specified by customers		
Typical Wavelengths (nm)			
Output Power (mW)	< 1	< 10	
Stability (dB)	± 0.02 @ 15mins ± 0.05 @ 8 hrs	± 0.003 @ 15 mins ± 0.01 @ 8 hrs	
Side-Mode Suppression Ratio (SMSR) (dB)	40	45	
Modulation Frequency	CW \ 270Hz \ 330Hz \ 1kHz \ 2kHz		
Optical Connector Type	FC/APC		

Display			Dimension	
2.7-inch color display		L x W x H (mm Weight (g)		
Resolution: 320 x 320 pixels Interface				
1.2 USB-A ports			Standard A	
2. USB-C charging port 3. Ethernet port (RJ45) 4. RS232 port 5. Grounding terminal			Main unit, Pow USB power ca Note:	
Environment			1. At an ambie	
Working Temperature (° C)	0 to 40		2. Measured w	
Storage Temperature (° C)	-20 to 70		3. Stability is sp	
Relative Humidity (%)	< 90, Non-condensing		4. Recommend	

Dimension and Weight				
L x W x H (mm)	215 x 210 x 65			
Weight (g)	1000			
Standard Accessories				
Main unit, Power adapter USB power cable, 1-year warranty				

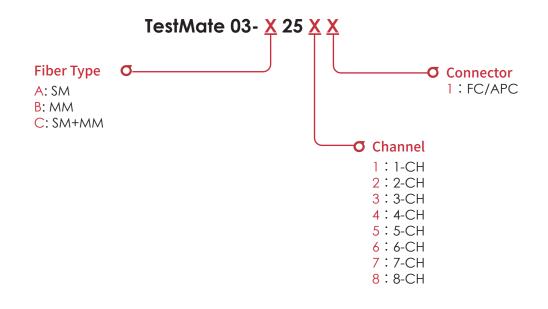
1. At an ambient temperature of 23 \pm 2 $^{\circ}$ C.

2. Measured with an FC/PC polished connector.

3. Stability is specified for the DFB laser model.

4. Recommended calibration interval: 2 years.

Ordering Information



Note: 1. Please specify the required wavelengths and select the corresponding output power (1mW or 10mW) for each when placing your order.

Example: TestMate 03-C2581 Wavelength: 850, 1300, 1310, 1490, 1550, 1570, 1625, 1650nm Output power: 1mW



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