



ASCENTAC
**Fiber
VERA**

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

Introduction

Ascentac FiberVERA 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.

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.

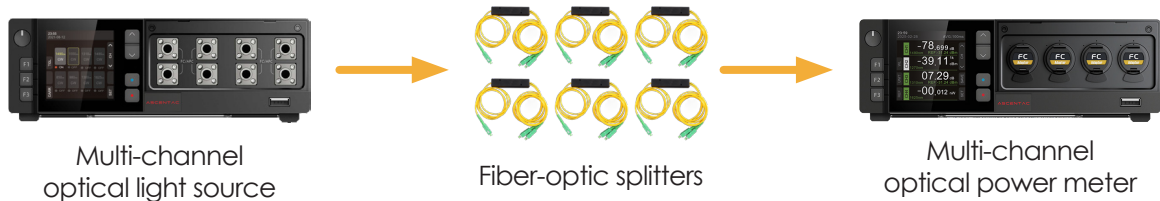


Description

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).



Vertical or Horizontal. Always Compact.



Appearance

- 1 Power switch
- 2 2.7-inch color screen
- 3 Control knob
- 4 Function keys
- 5 USB-A port
- 6 Grounding terminal
- 7 Ethernet port
- 8 RS232 port
- 9 USB-A port
- 10 USB Type-C charging port



Specification

OLS				
Channel	1 to 8			
Typical Wavelengths (nm)	MM: 850, 1300 SM: 1310, 1490, 1550, 1625 or as specified by customers			
Laser Type	FP : MM 50/125um	DFB : SM 9/125um		
Temperature Control	Uncooled	Uncooled	Yes (External TEC)	Yes (Internal TEC)
Output Power (mW)	1	1	10	10
Stability (dB)	± 0.04 @ 15 min ± 0.1dB @ 8 hrs	± 0.02 @ 15 min ± 0.05 @ 8 hrs	± 0.006 @ 15 min ± 0.03 @ 8 hrs	± 0.003 @ 15min ± 0.01 @ 8hrs
SMSR (dB)	N/A	40	40	45
Modulation Frequency	CW、270Hz、330Hz、1kHz、2kHz			
Optical Connector Type	FC/APC			

Display

2.7-inch color display
Resolution: 320 x 320 pixels

Interface

1. 2 USB-A ports
2. USB-C charging port
3. Ethernet port (RJ45)
4. RS232 port
5. Grounding terminal

Environment

Working Temperature (° C)	0 to 40
Storage Temperature (° C)	-20 to 70
Relative Humidity (%)	< 90, Non-condensing

Dimension and Weight

L x W x H (mm)	215 x 210 x 65
Weight (g)	1000

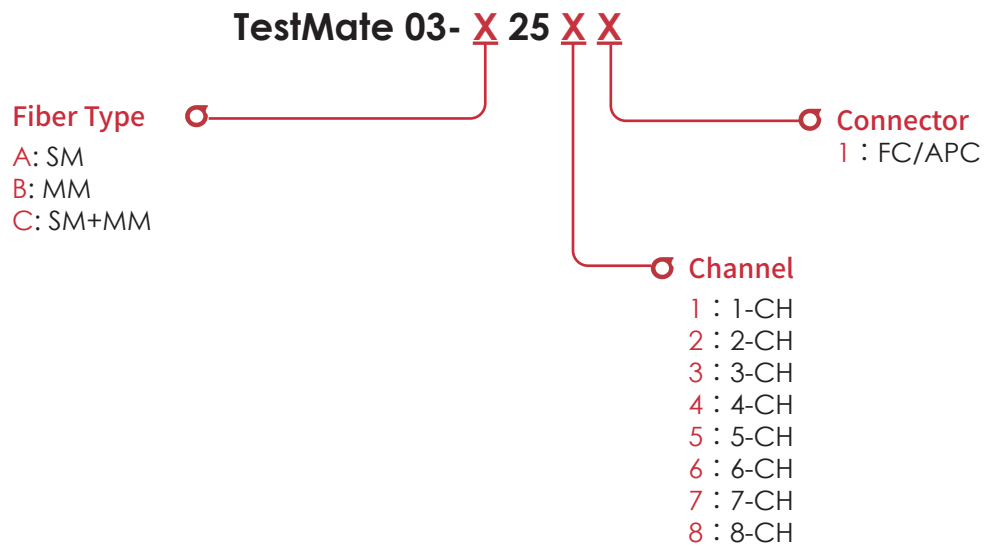
Standard Accessories

Main unit, Power adapter
USB power cable, 1-year warranty

Note:

1. At an ambient temperature of $23 \pm 2^{\circ}\text{C}$.
2. Measured with an FC/PC polished connector.
3. Recommended calibration interval: 2 years.

Ordering Information



Note: 1. When placing an order, please specify the required wavelengths and output power (1 mW or 10 mW). If 10 mW is selected, please additionally indicate the TEC type (external or built-in). TEC stands for Thermoelectric Cooler.

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



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For the latest information regarding this product, please visit our website at <http://www.ascentac.com>



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