



ASCENTAC
**Fiber
VERA**

Variable Optical Attenuator

Ascentac TestMate 1300

1U Rackmount 4 or 8 Ports Variable Optical Attenuator with High Resolution, High Accuracy & High Stability

Feature

- Single mode and multi mode available
- Low PDL $\leq 0.05\text{dB}$
- Low WDL $\leq 0.25\text{dB}$
- High resolution 0.01dB
- RJ45, RS-232 & USB interface

Application

- Bit error rate test
- Calibration and verification of optical power meter
- Optical receiver sensitivity measurement

Introduction

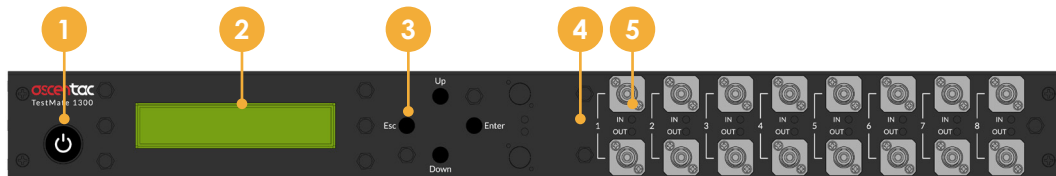
Ascentac FiberVERA TestMate1300 Series, Variable Optical Attenuator, is an online attenuation amount adjustment device used to control the optical power in a fiber. It enables precise optical power control featuring low insertion loss, low Polarization Dependent Loss (PDL) and low Wavelength Dependent Loss (WDL).

It has Ethernet RJ45, RS232 and USB interface. With the Ethernet interface, the variable optical attenuator can be controlled remotely over the network. This variable optical attenuator also provides dual power supplies (AC & DC) to achieve power redundancy.

Description

The 1U-high chassis design is convenient for mounting in a standard-sized, 19"-wide rack.

Appearance



- 1 Power status with LED indicator
Touch protector design to prevent unintended or accidental touch (Press power button for 2 seconds to turn on/off the power)
- 2 Easy-to-read LCD display (IP address, current channel and related information)
- 3 Intuitive key for easy use
 - Up: Up or increment
 - Down: Down or decrement
 - Enter: Confirm
 - Esc: Exit or cancel
- 4 Optical interface
 - IN : Input port (4 or 8-Channel, option)
 - OUT : Output port (4 or 8-Channel, option)
- 5 Optical light path indicator
 - Green light: Current channel
 - Red light: Warning of abnormal status for current channel



- 6 Dual power, 1+1 redundant power
 - AC power supply: 100 to 240V (50/60Hz)
 - DC power supply: 36 to 72V
- 7 Fuse with UL Standard for safety
- 8 Ethernet RJ45 ,RS232 and USB interface

1U Managed Rackmount Design with High Flexibility

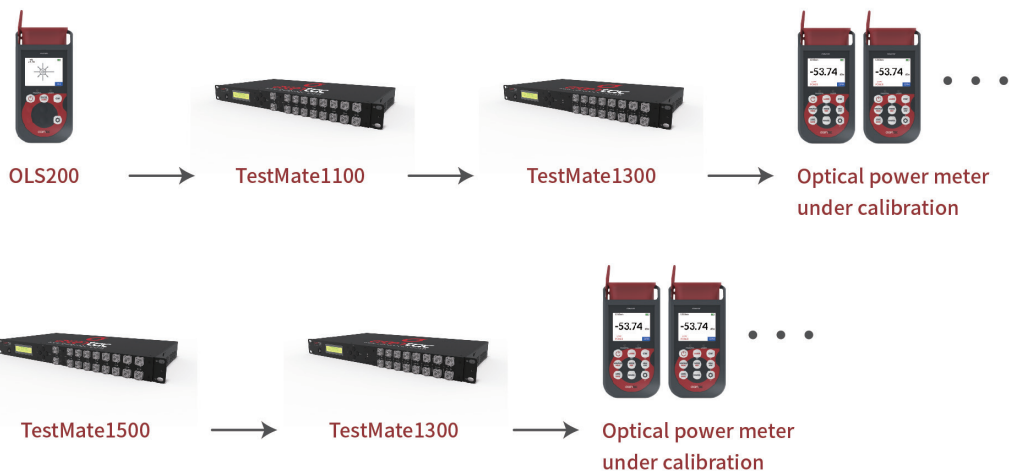
Ascentac TestMate1300 Series can be mounted in a standard-sized, 19"-wide rack.
Width x Height x Depth : 438 x 44.4 x 238.2 mm

Flexible mounting bracket for easy installation in a rack



Easy to Complete the Optical Power Meter Calibration & Verification Test

Using patch cords to connect source, optical switch, VOA and OPM under calibration to calibrate the optical power



Specification

VOA			
Channel	4 or 8		
Fiber Type	MM (62.5/125 μ m)	MM (50/125 μ m)	SM (9/125 μ m)
Wavelength Range (nm)	850 to 1300	850 to 1300	1260 to 1650
Calibrated Wavelength (nm)	850 / 1300	850 / 1300	1270 / 1310 / 1490 / 1550 / 1625
Insertion Loss (dB)	≤ 0.7	≤ 0.7	≤ 1.5
Attenuation Range (dB)	0 to 40 or 0 to 60		
Input Power Range (dBm)	+26 to -50		
Accuracy (dB)	≤ ± 0.2 (0 to -30) ≤ ± 0.5 (-30 to -60)		
Resolution (dB)	0.01		
Return Loss (dB)	≥ 50		
Wavelength Dependent Loss (WDL) (dB)	≤ 0.25		
Polarization Dependent Loss (PDL) (dB)	≤ 0.05		
Transmitted Optical Power (mW)	≤ 500		
Connector Type	FC/PC or FC/APC		
Standard Accessories	Main unit, USB to USB cable, Power cord, Rack mounting ears with screws, One-year warranty		

Ordering Information

TestMate 03 - X 13 X X

Fiber Type & Attenuation Range

- A : SM (9/125 μm), 40dB
- B: SM (9/125 μm), 60dB
- C: MM (62.5/125 μm), 40dB
- D: MM (62.5/125 μm), 60dB
- E: MM (50/125 μm), 40dB
- F: MM (50/125 μm), 60dB

Connector Type

- 1 : FC / PC
- 2 : FC / APC

Channel

- 1 : 4-CH
- 2 : 8-CH

Example : TestMate 03-A1311



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



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