



Optical Switch 1 x N

Ascentac TestMate1100

1U Rackmount 1 x N (4 to 16 Ports) Optical Switch with High Stability, Fast Switching Time & Low Crosstalk

| Feature

- Single mode and multi mode available
- Low crosstalk
- Low insertion loss ≤ 1.2
- Low PDL ≤ 0.05
- Wide wavelength range (1260nm to 1650nm)
- Excellent repeatability $\leq \pm 0.02$
- Fast switching time
- RJ45, RS-232 & USB interface

| Application

- Optical signal switching & routing
- Optical network monitoring
- Testing of fiber-optic component

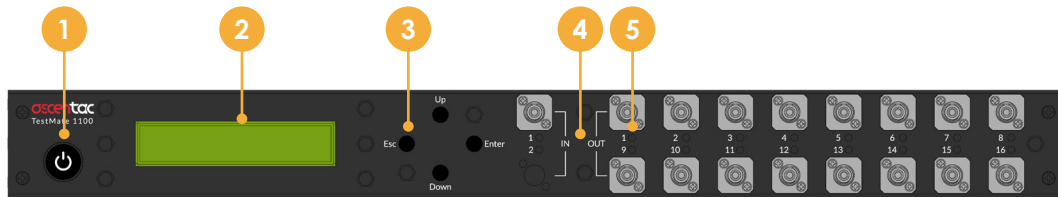
| Description

Ascentac FiberVERA TestMate1100 Series, Optical Switch, is used to control and monitor the light path. It features low insertion loss, low crosstalk and low Polarization Dependent Loss (PDL). Its wavelength range is wide from 1260nm to 1650nm. This optical switch supports both single mode and multi-mode fiber test application.

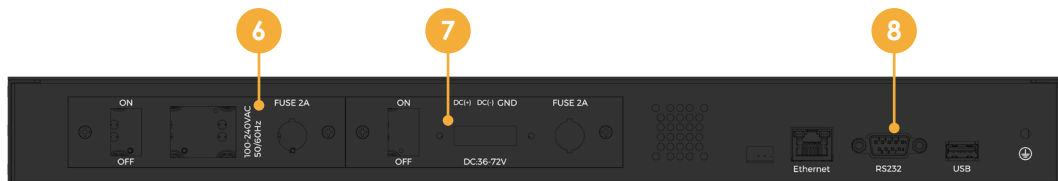
It strengthens accurate measurements and ease automation with excellent repeatability, fast switching time and flexible interface of RJ45, RS-232 and USB. AC & DC power supply to enable dual power redundancy enhances availability.

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 (1-Channel)
 - OUT : Output port (4, 8, 12 or 16-Channel, option)
- 5 Optical light path indicator
 - Green light: Current channel
 - Red light: Warning of abnormal status for current channel

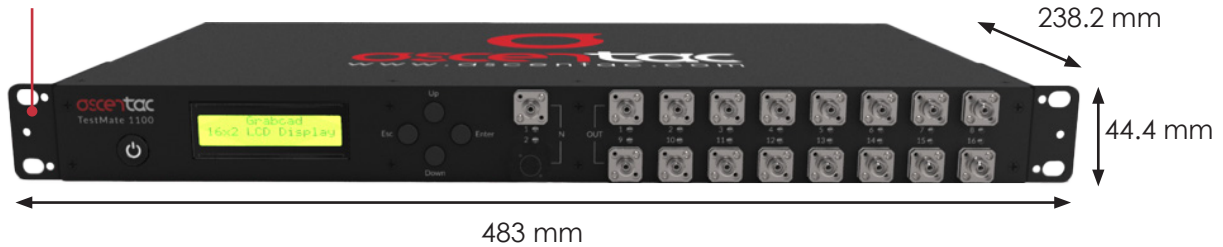


- 6 Dual power, 1+1 redundant power
 - AC power supply: 100 to 240V (50/60Hz)
 - DC power supply: 36 to 72V
- 7 Fuse with UL Standard for safety
- 8 Ethernet RJ45 ,RS232 and USB interface

1U Managed Rackmount Design with High Flexibility

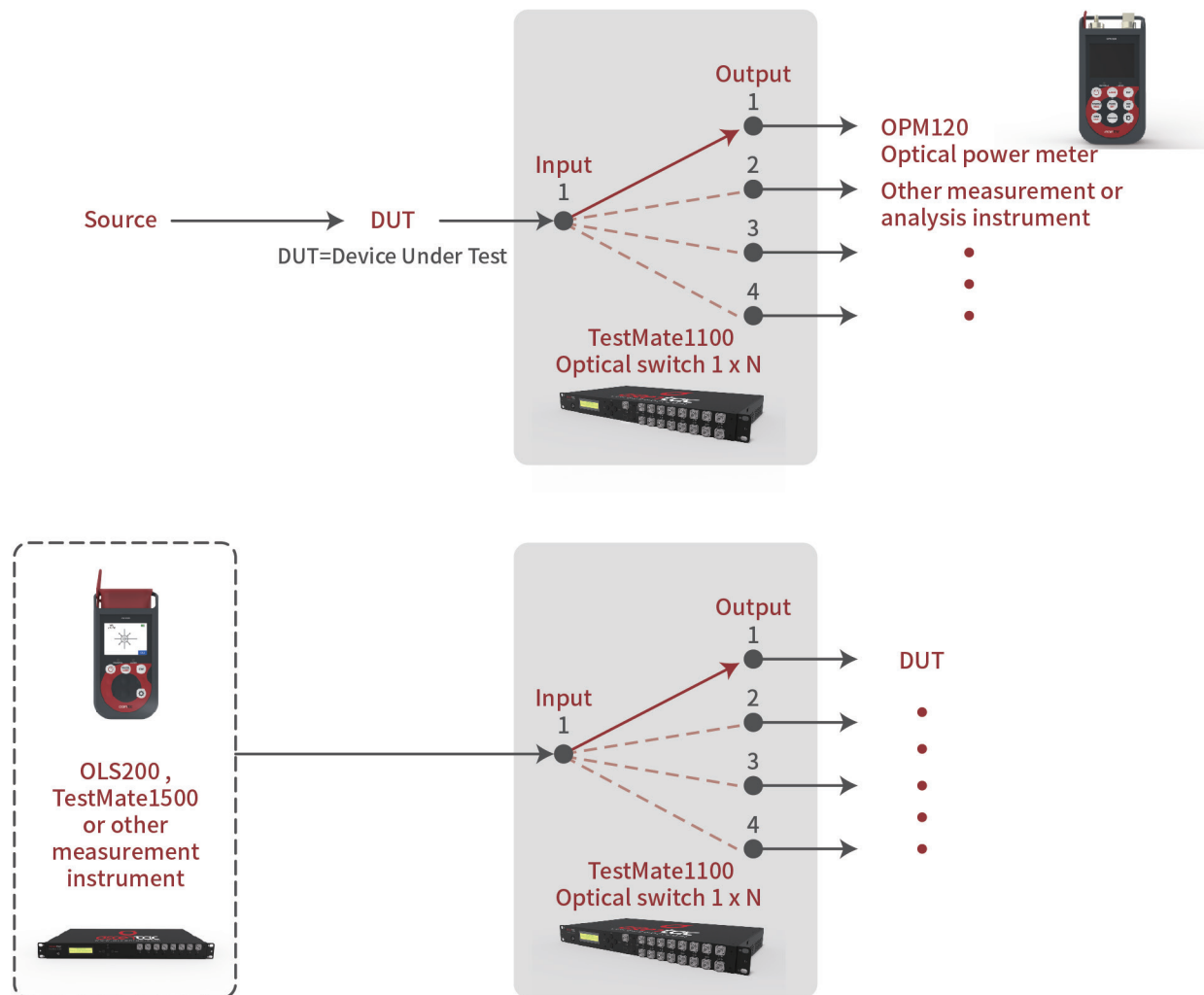
Ascentac TestMate1100 Series can be mounted in a standard-sized, 19"-wide rack.
Width x Height x Depth : 438 x 44.4 x 238.2 mm

Flexible mounting bracket for easy installation in a rack



Automatic Routing of Optical Signals for Testing Devices

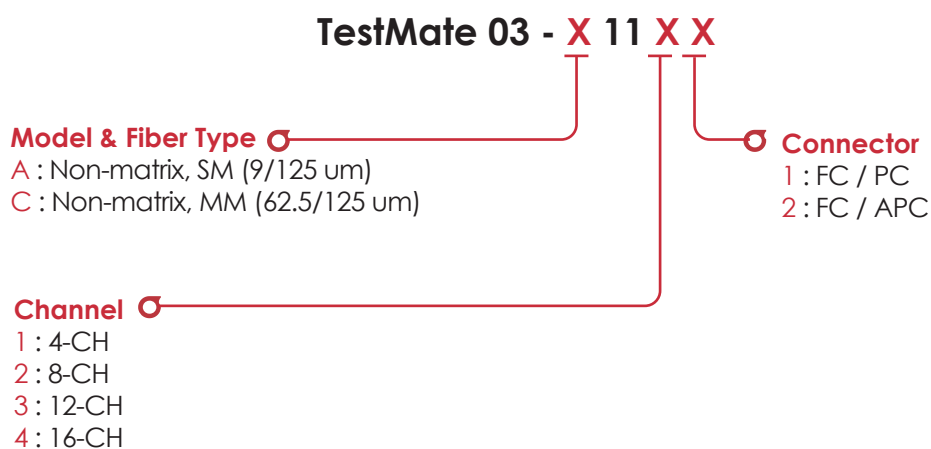
Ascentac TestMate1100 Series can be used to switch channel to different measurement or analysis instruments. It can speed up time of testing and enhance high repeatability of DUTs.



Specification

OSW 1 x N		
Channel	1x4、1x8、1x12、1x16	
Fiber Type	MM (62.5/125 um)	SM (9/125 um)
Wavelength Range (nm)	850	1260 to 1650
Test Wavelength (nm)	850	1310 / 1550 / 1625
Return Loss (dB)	≥ 30	≥ 50
Crosstalk (dB)	≥ 35	≥ 55
Insertion Loss (dB)	≤ 1	
Repeatability (dB)	≤ ± 0.02	
Polarization Dependent Loss (PDL) (dB)	≤ 0.05	
Optical Power (mW)	≤ 500	
Switching Time (ms)	≤ 10 (adjacent channel) N x 10	
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



Example : TestMate 03-A1111



© Copyright 2026 Ascentac. All rights reserved. The information in this document is subject to change without notice.

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



Contact us