



Ascentac OMM300C Series, Optical Multi Meter, combines optical light source (OLS), optical power meter (OPM) and visual fault locator (VFL) in one handheld unit. It's available to test for both Multi-mode and single mode fibers. Designed to meet the demands of fieldwork, the Ascentac OMM300C Series features an integrated light source and optical power meter, with automatic wavelength identification. It can accommodate up to 1,000 test results and transfer data to PC via USB connection. The device is powered by three AAA dry batteries or rechargeable batteries, and it can be charged via a Mini USB port.

Optical Multi Meter

Ascentac OMM300C

An Integrated Handheld Fiber Optic Test Tool with OPM, OLS & VFL

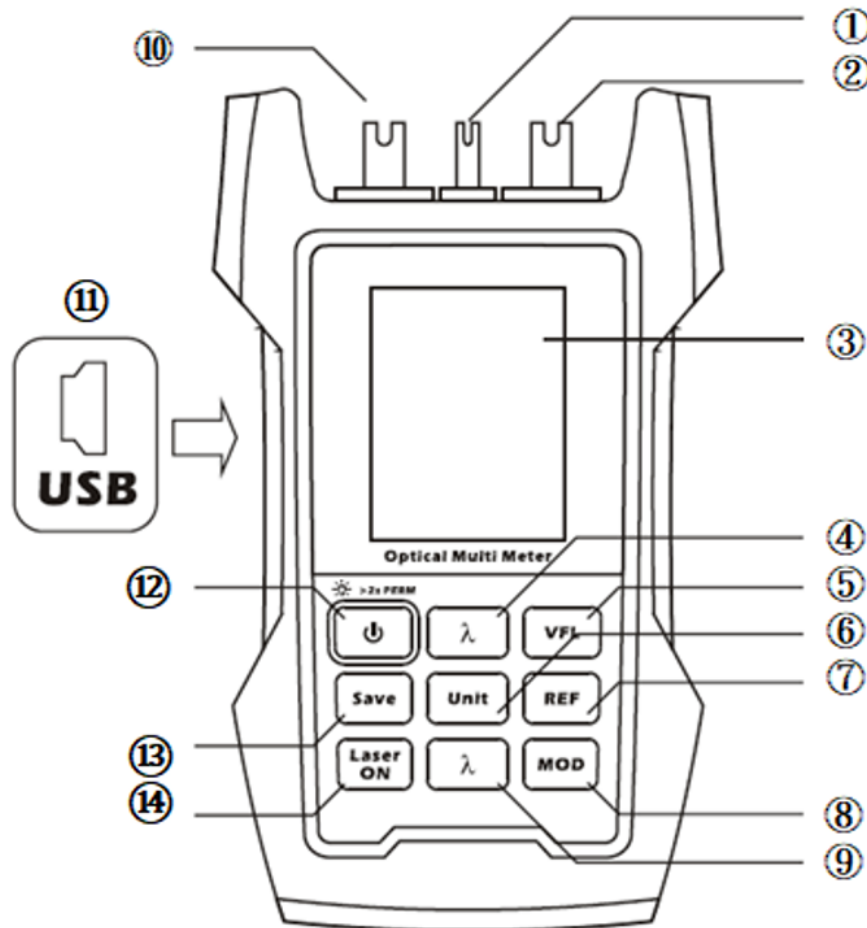
Features

- 3-in-1 design, combining optical light source, power meter and visual fault locator
- Wavelength identification
- Real-time monitoring optical power
- Data transmission
- Memory capacity of 1000 test results

Application

- Optical power or loss measurement in telecom or CATV installation and maintenance.

| Description

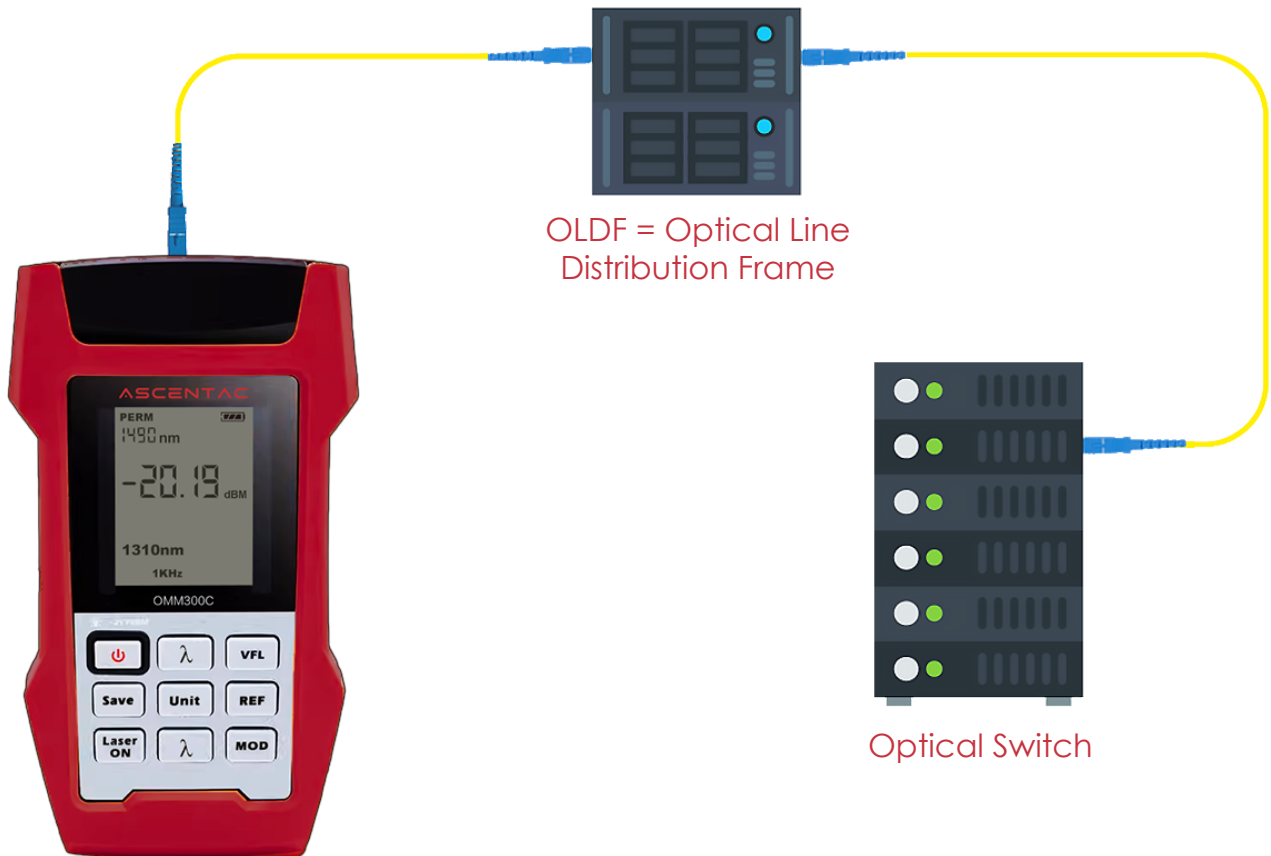


- | | |
|----------------------------|-----------------------------------|
| ① VFL port | ⑧ OLS Frequency modulation Button |
| ② OPM port | ⑨ OLS wavelength selection button |
| ③ LCD display | ⑩ OLS port |
| ④ OPM wavelength switch | ⑪ Mini USB |
| ⑤ VFL control button | ⑫ Power button |
| ⑥ OPM unit switch | ⑬ OPM data storage button |
| ⑦ OPM reference set button | ⑭ OLS power button |

| When To Use OMM300C

1. Optical Power Measurement

Connect one end of the patch cord to the adapter cap and the other end to the optical output to be measured.



2. Optical Loss Measurement

Using OLS to perform optical power and wavelength measurement.



Connecting OPM and light source with a patch cord,
and then set the reference on the OPM to 0

3.Real-time Monitoring

By connecting to a computer, real-time monitoring of optical power variations can be performed.

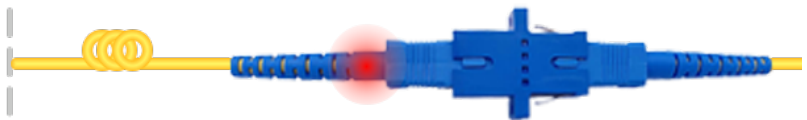


| Application of Visual Fault Locator (VFL)

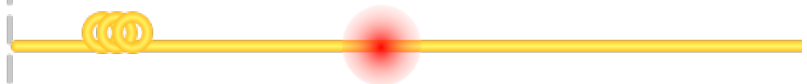


1 Fiber identification – End-to-end continuity tests

2 Fault location
Red light leakage may indicate the following issues:



- Improper fiber connector connection



- Fiber damage



- Bending

Specification

OPM Specification

Power Range (dBm)	-70 to +10	-50 to +30
Uncertainty (dB)	± 0.2 (-15dBm , FC connector)	
Resolution (dB)	0.01	
Wavelength Range (nm)	850, 1300, 1310, 1490, 1550, 1625	
Optical Connector	Universal 2.5mm	
Storage Capacity	1000 test results	
Output Interface	Mini USB	

OLS Specification

Central Wavelength (nm)	850 / 1300	1310 / 1550	1310 / 1490 / 1550
Output Power (dBm)	> -10 / -5	> -5 / -5	> -5 / -5
Stability (dB)	± 0.02 (15 mins, short term)		
	± 0.2 (8 hours, long term)		
Modulation Output	CW Continuous Wavelength), 270Hz, 1kHz, 2kHz		
Optical Connector	SC/UPC		

VFL Specification

Wavelength (nm)	650 $\pm$ 15
Output Power (mW)	1, 10, 20, 30 (Option)
Modulation Output	Continuous Wave (CW), Pulsed (2Hz)
Optical Connector	Universal 2.5mm

Power Supply

Battery Type	AA batteries 3pcs
Charging Function	Mini-USB
Power Input	1. Mini USB 2. 5V / 500A

Environment

Working Temperature (°C)	-10 to 50
Storage Temperature (°C)	-20 to 60
Relative Humidity (%)	5 to 90, Non-condensing

Dimension and Weight

L x W x H (mm)	168 x 98 x 38
Weight (g)	380

Standard Accessories

Main unit, AA batteries 3pcs, Mini-USB cable, Soft bag, 1-year warranty

Ordering Information

Optical Multi Meter

OMM 01-003XXC

Central Wavelength (OLS) & Power Range (OPM)

- 1 : 850/1300nm , +10 to -70dBm
- 2 : 850/1300nm , +30 to -50dBm
- 3 : 1310/1550nm , +10 to -70dBm
- 4 : 1310/1550nm , +30 to -50dBm
- 5 : 1310/1490/1550nm , +30 to -50dBm

Output Power (VFL)

- 1 : None
- 2 : 1mW
- 3 : 10mW
- 4 : 20mW
- 5 : 30mW

Optical Connector

A0-0013X + A0-0012XA

OLS

- 1 : Fixed SC/UPC
- 2 : Fixed SC/APC
- 3 : Fixed FC/UPC
- 4 : Fixed FC/APC

OPM

- 1 : 2.5mm Universal Connector
Male to FC Female Adapter
- 2 : 2.5mm Universal Connector
Male to SC Female Adapter
- 3 : FC Male to LC Female Adapter

Note : 1. VFL with built-in universal 2.5mm tip sleeve.

Example : OMM 01-00343C + A0-00131 + A0-00122A



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



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