



PON Optical Power Meter with Visual Fault Locator

Product Specifications

3-in-1 PON Optical Power Meter:

- **PON Power Meter - Test between OLT and ONT**
- **Optical Power Meter - Test Six Wavelengths**
- **10mW Visual Fault Locator**

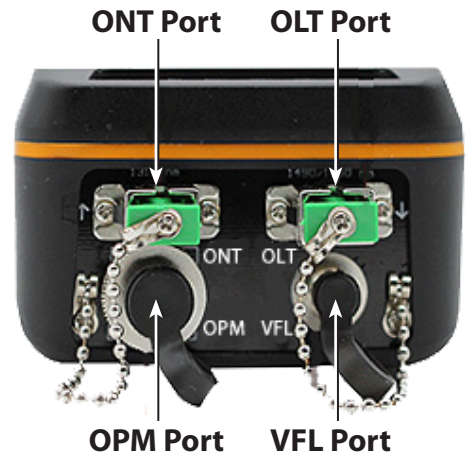
Description

The Multicom MUL-OPM-PON-VFL-300 PON Optical Power Meter is connected between the OLT and ONT, and is especially designed for PON network construction and maintenance. The voice, data, video signal (1310nm/1490nm/1550nm), can be measured synchronously and the corresponding optical power value can be displayed with this meter.

The PON Power Meter includes a special burst mode measurement function to allow accurate burst optical power measurements to the upstream PON signal at 1310nm. The meter will also process pass / fail analysis conveniently through multiple users' adjustable threshold at every wavelength.

Features

- Tests 3 PON wavelengths synchronously: 1490nm, 1550nm, 1310nm
- Power Meter is capable of testing 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm
- 10mW Visual Fault Locator
- Tests the burst mode upstream wavelength signal of 1310nm
- Handheld, easy to operate
- 32-bit CPU with 480 x 800 True Color screen with 650 thousand colors
- User-friendly operation interface, human message management and operation function
- Supply 10 groups of threshold values for operator's choice, analyze and display pass and fail status
- Relative value choice and edit function
- USB Flashdrive with Management Software
- Save and upload 1,000 records through USB to management software
- Set the threshold value, upload data, and calibrate wavelength through management software
- Auto shut off (according to set value)
- Auto backlit off (according to set value)
- 3.7V, 6600mAh rechargeable Lithium battery
- Power saving design (low voltage self check and power off)
- Real-time clock display



MUL-OPM-PON-VFL-300

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3-in-1 PON Optical Power Meter:

Product Specifications



PON Power Meter

Connected between OLT and ONT, this PON meter is capable of testing three PON wavelengths synchronously: 1490nm, 1550nm and 1310nm. It can also test the burst mode RFoG signal of 1310nm.



Optical Power Meter

Capable of testing:

- 850nm
- 1300nm
- 1310nm
- 1490nm
- 1550nm
- 1625nm



Visual Fault Locator

• 10mW

PON Technical Parameters	Specification		
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Calibration Wavelengths	1310nm Upstream Test	1490nm Downstream Test	1550nm Downstream Test
Pass Zone (nm)	1260 ~ 1360	1470 ~ 1505	1535 ~ 1570
Range (dBm)	-40 ~ +10	-45 ~ +10	-45 ~ +23
Isolation @ 1310nm (dB)	-	>40	>40
Isolation @ 1490nm (dB)	>40	-	>40
Isolation @ 1550nm (dB)	>40	>40	-
Uncertainty (dB)	±0.5		
Polarization Dependent Loss (dB)	<± 0.25		
Linearity (dB)	± 0.1		
Through Insertion Loss (dB)	± <1.5		
Resolution	0.01dB		
Unit	dBm / xW		

OPM Technical Parameters	Specification
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Calibrated Wavelengths	850, 1300, 1310, 1490, 1550 and 1625nm
Range	-50 ~ +26dBm
Detector Type	InGaAs
Uncertainty	±0.15dB
Liner Accuracy	0.1%

VFL Technical Parameters	Specification
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Wavelength	650 ±10nm
Output Power	10mW
Fiber Port	FC/PC

480 x 800 True Color Screen

SC/APC Fiber Connectors

6600mAh Rechargeable Lithium Battery



General Parameters	Specification
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LCD	480 x 800, 3.97" True Color LCD
Lithium Battery	3.7V, 6600mAH, rechargeable
Continuous Operating Time	20 Hours per charge (typical)
Working Temperature	-10 ~ 60°C (14 ~ 140°F)
Storage Temperature	-25 ~ 70°C (-13 ~ 158°F)
Dimensions (mm, in)	185 x 80 x 50 (7.3" x 3.1" x 2")
Weight (g, lb)	370 (0.8 lb)

Package Includes:

- PON Power Meter
- USB Flash Drive with Management Software
- Carrying Case
- Battery Charger
- Packet of Cotton Swabs
- USB Cable
- Factory Test Report

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