



# 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

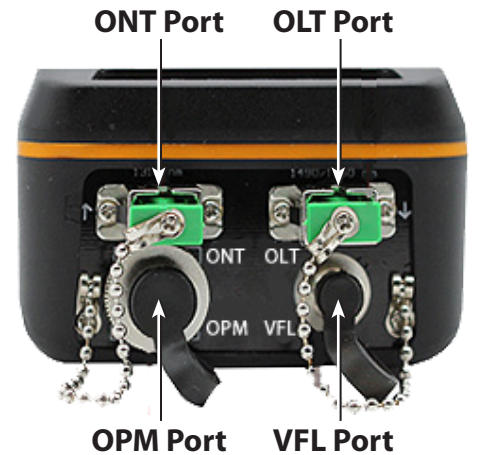
#### Description

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 meter is also capable of measuring and storing test results for downloading to a PC.

The PON Power Meter includes a special burst mode RFOG measurement function to allow accurate burst optical power measurements to the upstream PON signal at 1310nm. The meter will also complete an automatic pass / fail analysis using user settable thresholds for every wavelength.

#### Features

- Tests 3 PON wavelengths synchronously: 1490nm, 1550nm & 1310nm, and stores the results for downloading
- Power Meter is capable of testing 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm
- 10mW Visual Fault Locator
- Tests the burst mode RFOG upstream wavelength signal of 1310nm
- Handheld, easy to operate
- 32-bit CPU with 480 x 800 True Color screen with 65,000 colors
- Stores 10 groups of threshold values for automatic analyzing and display of pass / 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 can test the burst mode RFoG signal of 1310nm.



### Optical Power Meter

Capable of testing:

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



### Visual Fault Locator

• 10mW

Parameter	Specification		
Calibration Wavelengths	1310nm Upstream Test	1419nm 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	-

480 x 800 True Color Screen

SC/APC Fiber Connectors



6600mAh Rechargeable Lithium Battery

### Package Includes:

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

Accuracy	Specification
Uncertainty (dB)	±0.5
Polarization Dependent Loss (dB)	<± 0.25
Linearity (dB)	± 0.1
Through Insertion Loss (dB)	± <1.5
Resolution	0.01 dB
Unit	dBm / xW

General	Specification
LCD	480 x 800, 3.97" True Color LCD
Lithium Battery	3.7V, 6600mAH, rechargeable
Continuous Operating Time	20 Hours (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)

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