



XGPON Power Meter & End-face Fiber Inspector

Optical Power Meter, Visual Fault Locator

Product Specifications

3-in-1 XGPON Optical Power Meter:

- XGPON Power Meter - Test between OLT & ONT at up to 10GHz
- Fiber End-face Inspection Microscope with Image Capture Ready
- Optical Power Meter - Test Six Wavelengths

Description

The Multicom MUL-OPM-XGPON-VFL-400 XGPON Optical Power Meter is connected between the OLT and ONT, and is especially designed for XGPON network construction and maintenance. The voice, data, video signal (1270/1310/1490/1550/1577nm), 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 meter will also complete an automatic pass / fail analysis using user settable thresholds for every wavelength.

Features

- **XGPON Meter:** Simultaneous realtime measurements of 5 wavelengths in OLT - ONT XGPON networks at up to 10GHz: 1270, 1310, 1490, 1550, 1577nm
- **Fiber End-Face inspection Microscope** option with image capture for onsite documentation & certification purposes
- **Power Meter** is capable of testing 850, 1300, 1310, 1490, 1550, 1625nm
- 10mW **Visual Fault Locator**
- Tests the burst mode RfOG upstream wavelength signal of 1310nm
- Stores 10 groups of threshold values for automatic analyzing and display of pass / fail status
- Save and upload 1,000 records through USB to management software
- Set the threshold value, upload data, and calibrate wavelength through management software



Simultaneous realtime measurements of 5 wavelengths in XGPON networks at 10GHz



Fiber End-Face inspection Microscope with recording for onsite documentation & certification



The Multicom XGPON Meter includes an imbedded Fiber Inspection Module that provides a critical view of the fiber end-face, eliminating problems in network traffic. (Multicom Fiber Microscope MUL-OPM-XGPON-FVSCOPE sold separately).

MUL-OPM-XGPON-VFL-400 XGPON Meter & MUL-OPM-XGPON-FVSCOPE Fiber Microscope

www.multicominc.com

Multicom, Inc.

Ph: 800-423-2594 / 407-331-7779

Fax: 407-339-0204

Email: multicom@multicominc.com



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XGPON OPM Technical Parameters		Specification			
Simultaneous Measuring Wavelengths (nm)	1270	1310	1490	1550	1577
Measuring Range (dB)	-40 ~ +13	-40 ~ +13	-50 ~ +13	-50 ~ +25	-50 ~ +10
Wavelength Passband	±10	±20	±10	±10	±6
Insertion Loss (dB)	≤1.5				
Uncertainty (dB)	≤0.5				
Display Resolution (dB)	0.01				
Fiber Connector Port	SC/APC				
OPM Technical Parameters		Specification			
Calibrated Wavelengths (nm)	850, 1300, 1310, 1490, 1550, 1625				
Range (dBm)	-50 ~ +26				
Uncertainty (dB)	≤0.5				
Fiber Connector Port	Universal FC / SC / ST				
VFL Technical Parameters		Specification			
Wavelength (nm)	650 ±10				
Output Power (mW)	≥10				
Mode	CW / 1Hz / 2Hz				
Fiber Connector Port	Universal FC / SC / ST				
General Parameters		Specification			
Display	3.55" Color LCD				
Data Interface	Micro USB				
External Storage	TF Card				
Power Supply	Lithium Battery: 3.7V				
Power Adapter	5V USB Power Adapter (connect to Micro USB to recharge)				
Battery Life	Standby >60 Hours, Measuring Time >20 Hours				
Operating Temperature	14° ~ +140°F (-10° ~ +60°C)				
Storage Temperature	-13° ~ +158°F (-25° ~ +70°C)				
Relative Humidity	0 ~ 95%				
Weight	0.88lb (400g)				
Dimensions	7.4 x 3.5 x 1.7 inches (188 x 88 x 44mm)				
Fiber End-face Inspection Microscope Technical Parameters		Specifications			
Magnification	400X				
Resolution	0.75μ				
Light Source	Coaxial blue LED				
Controls	Fine Focus Control				
Size / Weight	4.3 x 1.6 x 1.6in (110 x 40 x 40mm) / .35 lbs (158g)				

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