

VIAVI

SmartClass Fiber OLP-87

PON Power Meter B/G/NG-PON2 Composite Power Version

The VIAVI Solutions® SmartClass™ Fiber OLP-87 is an FTTx/PON power meter for use in qualifying, activating, and troubleshooting B-PON, G-PON, and next generation high speed NG-PON2 networks.

Part of the VIAVI SmartClass™ Fiber family, the OLP-87 combines a high performance λ selective FTTx/PON power meter with automated fiber inspection analysis into one portable solution. These combined capabilities guarantee service providers a lifetime of network and service performance, and gives contractors an essential tool for delivering best-in-class, reliable networks to their customers. The OLP-87 is ideal for end-of-line testing, activation, and maintenance of all FTTx/PON signals. The through-mode capability can simultaneously measure voice, data and RF video signals on a fiber at 1490/1550 and 1600nm downstream and at 1310/1535 nm in burst mode upstream.

The OLP-87 is compatible with the P5000i digital analysis microscope so users can check fiber end-face quality and get pass/fail acceptance results with one button push.



Benefits

- Reduced CAPEX: One instrument for testing legacy B-PON and G-PON as well as next generation NG-PON2 networks
- Reduced OPEX: Easy operation due to simplified workflow driven user interface reduces training cost and makes all technicians fiber experts
- Certification and documentation: Auto fiber end-face certification and PON-power measurements prove that quality of work meets industry standards and network/customer specifications.

Features

- Field-portable λ selective PON power meter with through-mode capability
- Can measure B/G-PON downstream signals at 1490 nm and new NG-PON2 signals at 1600 nm
- Burst mode measurement for 1310 nm B-/G-PON and 1535 nm TWDM upstream signals
- Pre-defined threshold sets for auto Pass/Fail analysis of PON power measurements
- Automated Pass/Fail fiber inspection analysis with optional P5000i microscope
- Rugged, weather-proof design

A new workflow driven user interface simplifies acceptance testing with simple selection of ITU-T standardized pass/fail thresholds. Users can easily save test results and generate certification reports to document work quality. Integrating these capabilities into one solution drives technician behavior toward implementing today's best practices in a seamless workflow that optimizes efficiency and reliability to get jobs right—the first time.

The handheld OLP-87 can be used anywhere today's fiber technicians go, up poles or down holes. Technicians get ultimate flexibility and performance from this powerful, easy-to-use solution that can help any technician become

Wavelength selective power measurements in B-/G.- and next generation NG-PON2 FTTx networks.

09:24	
ONT -> US 1535 nm Pow: LOW dBm	FAIL
OLT -> DS 1600 nm Pow: LOW dBm	PASS
RF Video 1550 nm Pow: LOW dBm	PASS
PON Type: NG-PON2	Location: FDT
Vendor: NA	

- B/G-PON** DS 1490 nm and US 1310 nm testing
- NG-PON2** DS 1600 nm and US 1535 nm window
- RF-Video** 1550 nm video overlay testing

Inspect and Test Fiber Anywhere

Use optional P5000i digital analysis microscope with

New Workflow-driven GUI to Auto-Select Pass/Fail Acceptance Criteria



Easily select PON-type, Location, and Vendor to setup standard pass/fail thresholds providing reliable acceptance testing with simultaneous display of all PON and video power levels.

Store Inspection and Measurement Readings on the Device

Store up to 10,000 measurement results on the device or, for additional storage, on a USB memory stick.

VIAVI Care Support Plans

Increase your productivity for up to 5 years with optional VIAVI Care Support Plans:

- Maximize your time with on-demand training, priority technical application support and rapid service.
- Maintain your equipment for peak performance at a low, predictable cost.

Plan availability depends on product and region. Not all plans are available for each product or in every region. To find out which VIAVI Care Support Plan options are available for this product in your region, contact your local representative or visit: viasolutions.com/viavicareplan

Features

*5-year plans only

Plan	Objective	Technical Assistance	Factory Repair	Priority Service	Self-paced Training	5 Year Battery and Bag Coverage	Factory Calibration	Accessory Coverage	Express Loaner
 BronzeCare	Technician Efficiency	Premium	✓	✓	✓				
 SilverCare	Maintenance & Measurement Accuracy	Premium	✓	✓	✓	✓*	✓		
 MaxCare	High Availability	Premium	✓	✓	✓	✓*	✓	✓	✓



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