

VIAVI

SmartPocket OLP-37X

G-PON and XGS-PON Power Meter

The specialized VIAVI SmartPocket OLP-37X optical power meter can be used to conduct measurements during passive optical network (PON) activation, maintenance, and troubleshooting. It can measure wavelength-selective optical power when testing B-PON, E-PON, or G-PON networks, as defined in ITU-T G.983/4, or IEEE 802.3ah and XGS-PON networks, as defined in ITU-T G.9807.1

The rugged, intuitive SmartPocket OLP-37X can be used in harsh environments. Its easy four-button operation eliminates the need to study manuals or take instrument training. The integrated pass/fail analysis feature and user-definable thresholds simplify standards conformance—and optical margin testing.

A color-coded dust cap protects the optical port and helps users quickly identify PC or APC interfaces. Rubber bumpers protect against shocks and drops in rough environments.

Simply press a button to save all test results and pass/fail information in the instrument's internal memory. The results can be downloaded later to a PC via the USB interface using VIAVI Smart-Reporter software to manage data and generate comprehensive test reports.

An extended 3-year recalibration interval provides additional cost savings and lowers operating expenses.

Its rugged, lightweight, compact design and over 100 hours of battery operation with just two standard AA batteries will make every engineer want the SmartPocket OLP-37X for daily, routine FTTx network testing.



Benefits

- All-in-one universal PON power meter lets users test G-PON and XGS-PON networks without the need to carry several instruments.
- Easy-to-use interface and quick-start operation lets users start testing immediately, eliminating warm-up and boot-up time as well as the need for training.
- Users can test anywhere, anytime with three-way power capability and up to 100 hours of autonomous operation.
- A compact, lightweight, rugged, pocket-sized design that is built for field testing and optimized for field engineers.
- Generate professional test and certification reports and documentation with laptop/PC-based reporting software.

Features

- Wavelength-selective G-PON and XGS-PON power meter
- Tests B-PON, E-PON, G-PON downstream at 1490 nm
- Tests XGS-PON at 1550 nm downstream and at 1577 nm
- Indication of simultaneous presence of G-PON and XGS-PON signals
- Internal memory can hold 100 test results
- Interchangeable FC/APC and SC/APC optical adapters
- Three-way power that operates using dry or rechargeable batteries or AC
- Transfer data via micro USB interface
- Smart-Reporter PC software for data management and report generation

Specifications

Measurements	
G-PON (1490 nm downstream)	
Power measurement range	-45 to +13 dBm
Maximum permitted input level	+15 dBm
Spectral passband	1260 to 1500 nm
XGS-PON (1577 nm downstream)	
Power measurement range	-45 to +13 dBm
Maximum permitted input level	+15 dBm
Spectral passband	1540 to 1650 nm
General	
Display resolution	0.01 dBm
Measurement units	dB, dBm, Watt, pass/fail
Return Loss	>55 dB
Threshold sets	1 set configurable
Data memory	100 test results
Data readout	Via client USB interface
Electrical interfaces	1x micro USB
Power supply	2x Mignon (AA) or 2x Mignon (AA) NiMH or via micro USB with SNT-505
Battery life	>100 hours

Optical connectors	SC/APC and FC/APC
Recommended recalibration interval	3 years
Dimensions (H x W x D)	30 x 80 x 150 mm (1.2 x 3.1 x 5.9 in)
Weight	200 g (0.45 lb)
Operating temperature range	-10 to +55°C (14 to 122°F)
Storage temperature range	-20 to +70°C (-4 to 158°F)

Ordering Information

Description	Part Number
OLP-37X	
OLP-37X, selective PON power meter G-PON (1490nm) + XGS-PON (1577nm) connector APC, SC adapter mounted FC enclosed	2302/22
Accessories and Spare Parts	
SNT-505 external USB power supply	2302/90.01
USB cable USB-A to Micro-USB	K 807
Optical adapter FC/APC	2155/00.05
Optical adapter SC/APC	2155/00.26
Optical adapter LC/APC	2155/00.07

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.

For more Information: go to viavisolutions.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
 BronzeCare	Technician Efficiency	Premium	✓	✓	✓		
 SilverCare	Maintenance & Measurement Accuracy	Premium	✓	✓	✓	✓*	✓



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