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: OLP-37X, selective PON power meter G-PON (1490nm) + XGS-PON (1577nm) connector APC, SC adapter mounted FC enclosed
- Part Number: 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/viacareplan

Features

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*5-year plans only

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