VIAVI

SmartPocket RFoG and PON Power Meter

OLP-37

The specialized Viavi Solutions SmartPocket OLP-37 optical power meter can be used to conduct measurements during passive optical network (PON) and radio frequency over glass network (RFoG) 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 RFoG systems, as defined in SCTE 174 2010.

The rugged, intuitive SmartPocket OLP-37 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 the 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-37 for daily, routine FTTx and RFoG network testing.

Key Benefits

- All-in-one universal RFoG and PON power meter lets users test FTTx/PON and RFoG 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.

Key Features

- Wavelength-selective PON and RFoG power meter
- Tests B-PON, E-PON, G-PON downstream at 1490 nm
- Tests RFoG/video at 1550 nm downstream and at 1610 nm return path
- 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

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Specifications

Meaurements	
PON (–1490 nm downstream)	
Power measurement range	–45 to +13 dBm
Maximum permitted input level	+15 dBm
Spectral passband	1260 to 1500 nm
RFoG/video (1550 nm downstream)	
Power measurement range	–45 to +13 dBm
Maximum permitted input level	+15 dBm
Spectral passband	1540 to 1650 nm
RFoG (1610 nm upstream)	
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-37	
OLP-37 RFoG/PON power meter 1490/1550/1610nm Includes: 2x AA alkaline batteries, soft belt bag, neck strap, USB-A to Micro-USB cable, inter-changeable optical adapters for SC-APC and FC-APC	2302/21
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