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.

Benefits

- All-in-one universal RFoG and PON 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

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
Specifications

Measurements

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>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, interchangeable optical adapters for SC-APC and FC-APC</td>
<td>2302/21</td>
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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

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