SAVITRI
TELECOM SERVICES

OLP-35V2, OLP-35SC and OLP-38V2

SmartPocket V2 Broadband Power Meters

VIAVI Solutions new OLP-3xV2 Broadband Power Meters quickly, easily, and conveniently measure optical power levels and loss in fiber networks and fit perfectly in your pocket. Easy-to-use for technicians at any skill level SmartPocket V2 Broadband Power Meters (PM) complement VIAVI optical light sources (OLS) for insertion loss and continuity testing in both multimode and single-mode networks in all environments. They offer a dedicated and costoptimized solution for testing and troubleshooting fiber in the field. The smart and rugged OLP-3xV2 also includes unprecedented data storage capacity supported by result downloads to a PC or upload to the cloud.

OLP-35V2

OLP-35SC

OLP-38V2

BENEFITS

- Ready when you need it - ultra-high reliability and high availability
  - Dependable, German design
  - Designed with outdoor environment in mind
  - Low power consumption for extended continuous use
  - Instant On – no boot time
- Easy to use
  - High-Visibility backlit graphical display with context-sensitive softkey
  - No setup 'OptiChek' measurement mode
  - Auto-λ, Multi-λ mode
  - Automatic upload of results via VIAVI Mobile Tech application

FEATURES

- 1 nm incremental wavelength settings
- Universal optical interface supports all 2.5 mm with option for 1.25 mm connectors
- Fiber Tracing – detecting optical light source tone(s)
- Storage for > 1000 test results and PC download capability
- Bluetooth low energy connectivity to the VIAVI Mobile Tech App
- 3-year recalibration period

APPLICATIONS

- Measuring optical power levels and link insertion loss for both Single mode and Multimode networks
- Network Build and Maintenance for
  - Enterprise/LAN
  - Access and Metro (LAN/WAN)
  - FTTx (e.g. Home/Antenna)
  - Standard and high-power level tests

Ultra-reliable German design
Built for rugged, outdoor use
Still fits in your pocket!

Improved protection cap
can be fully opened

Huge storage capacity
> 1000 test results

Softkey flexibility

Multiple power options (4-way)
2x Alkaline AA, 2x NiMH AA
rechargeable, AC power adapter, USB

Bluetooth low energy connectivity
to the VIAVI Mobile Tech App

New high-visibility graphical display
with backlight

Innovative low-power design
exceptionally long battery life over 45 hrs. continuous operation

USB-C interface
powering, offload of results, connection to PC

Products:

- The OLP-35V2 is the optimal device for standard telecommunication networks and multimode or single mode applications
- The OLP-35SC provides the same capabilities as the OLP-35V2 and comes with a fixed SC adapter
- The OLP-38V2 is a higher-power (up to +26 dBm) version for CATV HFC (with analog RF transmission) or amplified DWDM systems applications

Instant On – Easy to use - Good to go in no time

Instant on means SmartPocket V2 is ready as soon as you are, no waiting for an instrument to boot up, it's there the instant you need it. A high visibility back-lit display makes SmartPocket V2 usable in all lighting conditions indoors and outdoors, and combined with the super simple user navigation plus universal optical connector test port with OptiChek mode means you can close out more jobs per day.

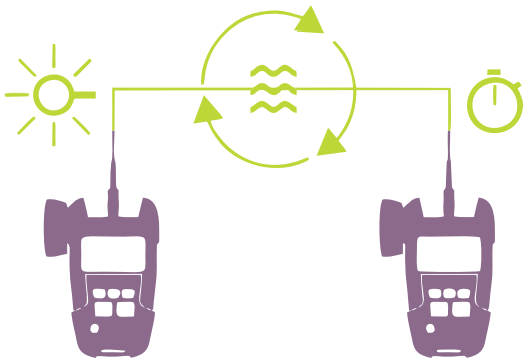
OptiChek Mode

A broadband power meter that does not require wavelength configuration! Ideal for situations where you do not know the exact service wavelength in use or for a basic quick check to determine if a fiber is lit and power level is in the predicted/expected range. Just turn it on, connect, and take the measurement.*

* Increased uncertainty (to approximately +/- 1dB) is traded for speed and simplicity when you just want a quick confirmation of power with no thresholding, for Singlemode only: (1260nm to 1650nm)

Auto-λ, Multi-λ Mode

When SmartPocket V2 Broadband PMs are used in combination with SmartPocket V2 OLS, the new super-fast Auto-λ mode reduces the time to measure up to 3 wavelengths on the same fiber to less than a second. Delivering lightning-fast, error free, multi-λ loss testing saves time when testing and becomes critical to getting jobs finished and links delivered on time especially when working in high fiber-count environments. Plus, with a single button push results are saved and ready for upload to the cloud via the Mobile Tech App



Robust and ready for field use

One of the key issues for optical field equipment is the risk of damage to the optical test port, this port has to be free of dirt and damage (e.g. scratches) in order to perform as required (according to specs). All it takes is a small piece of dust of dirt to be accidentally trapped and crushed when a fiber connection is made to damage the test port. The non-contact and easy clean approach with the SmartPocket V2 eliminates the risk of accidental test port damage and the integrated rubber 'bumpers' and test port cap make it ready for use in the real world and able to survive the odd bump or knock.

Superior Battery Life and powering options

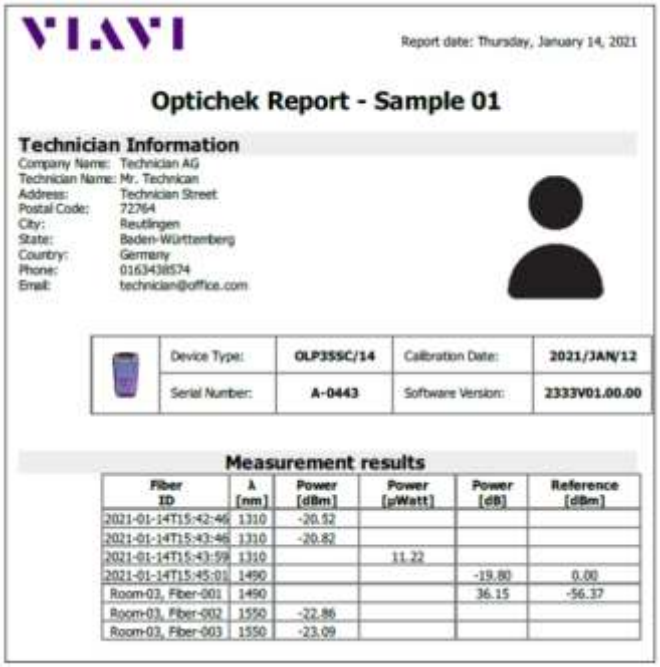
Taking measurements and performing that certification of a fiber install is the final step to closing out tasks while you are still on-site. Without test equipment powered and ready to go you run the risk of missing a deadline or having to make a site re-visit to finish a job. To avoid this the SmartPocket V2 offers a low power consumption design for extended continuous use and supports 4 way powering with field replaceable NiMH rechargeable, off the shelf alkaline batteries, AC powering and power over USB. Meaning that you will never be short of power for long or have to wait for unit batteries to recharge.

Low Cost of Ownership

3 years calibration interval means no extra annual charges and your equipment will meet requirements for reporting and certifying (i.e. to be in calibration).

Test and Report Field Measurements

VIAVI Smart Reporter reporting software lets users quickly and efficiently download test results data from the power meter's memory with just a few clicks. After it's downloaded, the software reporting functions let users generate and customize professional certification reports.



VIAVI

Report date: Thursday, January 14, 2021

Optichek Report - Sample 01

Technician Information

Company Name: Technician AG
Technician Name: Mr. Technican
Address: Technician Street
Postal Code: 72764
City: Reutlingen
State: Baden-Württemberg
Country: Germany
Phone: 0163438574
Email: technician@office.com

	Device Type:	OLP35SC/14	Calibration Date:	2021/JAN/12
	Serial Number:	A-0443	Software Version:	2333V01.00.00

Measurement results

Fiber ID	λ [nm]	Power [dBm]	Power [µWatt]	Power [dB]	Reference [dBm]
2021-01-14T15:42:46	1310	-20.52			
2021-01-14T15:43:46	1310	-20.82			
2021-01-14T15:43:59	1310		11.22		
2021-01-14T15:45:01	1490			-19.80	0.00
Room-03, Fiber-001	1490			36.15	-56.37
Room-03, Fiber-002	1550	-22.86			
Room-03, Fiber-003	1550	-23.09			

Connected for superior workflow and reporting

In today's world it is essential for techs and their instruments to be connected, not only to reduce manual effort and risk of mistakes but also to deliver seamless reporting. SmartPocket V2 is integrated with the VIAVI Mobile Tech App to ensure optimal workflow freeing up techs and contractors to get on with their jobs rather than being slowed down with report generation and submission.

Job Manager

- Easily create job templates via Mobile Tech App
- Associate tests to specific workorder or job number
- Sequence of individual test tasks grouped together in a single job
- No need to type in settings or labels on the job site
- No more missed or invalid test results; launch, test and auto upload of results

Mobile Tech App

- Mobile App available for iOS and Android
- Independent guest account and integrated StrataSyncTM account operation
- Create and push job with label list to instrument, pull test results back to app
- Enriches test results with workflow audit details, geolocation data and time stamp
- Synchronization to StrataSync for results upload, firmware updates, asset and option management

Job Manager and Mobile Tech App are part of the StrataSync Test Process Automation Suite, a solution that empowers you to deploy test plan procedures to technicians to simplify and automate your network tests. Test Accurately in Half the Time to Boost Productivity

Inspect Before You Connect (IBYC)

Contamination is the number 1 reason for troubleshooting optical networks. Proactive inspection and cleaning of fiber connectors can prevent poor signal performance, equipment damage, and network downtime.

Specifications for SmartPocket V2

POWER METERS

	OLP-35V2	OLP-35SC	OLP-38V2	OLP-37XV2 G-PON, XGS-PON
Photo Diode	InGaAs	InGaAs	InGaAs (coated)	InGaAs
Wavelength Range	800...1650 nm	800...1650 nm	800...1650 nm	1270...1500 nm, 1540...1650 nm
Display Range	800...1650 nm, step size 1 nm	800...1650 nm, step size 1 nm	800...1650 nm, step size 1 nm	1490 nm, 1577 nm
Resolution	0.01 dB, 0.001 µW	0.01 dB, 0.001 µW	0.01 dB, 0.001 µW	0.01 dB, 0.001 µW
Power Range	-65...+10 dBm	-65...+10 dBm	-50...+26 dBm	-45...+13 dBm
max. Power Level	+16 dBm	+16 dBm	+27 dBm	+15 dBm
Measurement Uncertainty	± 0.2 dB (± 5%) at ref. conditions	± 0.2 dB (± 5%) at ref. conditions	± 0.2 dB (± 5%)*	± 0.5 dB (± 12%) at ref. conditions
± 0.5 dB (± 12%) at ref. conditions	8 (850, 980, 1310, 1490, 1550, 1577, 1625, 1650 nm)	8 (850, 980, 1310, 1490, 1550, 1577, 1625, 1650 nm)	8 (850, 980, 1310, 1490, 1550, 1577, 1625, 1650 nm)	2 (1490, 1577 nm)
Tone Detection	270 Hz, 330 Hz, 1 kHz, 2 kHz	270 Hz, 330 Hz, 1 kHz, 2 kHz	270 Hz, 330 Hz, 1 kHz, 2 kHz	270 Hz, 330 Hz, 1 kHz, 2 kHz

* When used with SC/PC connectors

KITS

	OMK-35V2	OMK-36V2	OMK-38V2
Light Source Wavelengths	1310, 1550 nm	850, 1300, 1310, 1550 nm	1310, 1550 nm
Light Source Output Power (typical)	-3 dBm	-20 dBm / -3 dBm	-3 dBm
Optical Power Meter Power Rang	-65 to +10 dBm	-65 to +10 dBm	-50 to +26 dBm

GENERAL INFORMATION

General (typical at 25°C)	
Data storage	1000 results
Data download capability	USB-C for PC transfer
Power Supply	
Dry batteries	2x Mignon (AA) Alkaline 1.5 V
Rechargeable batteries	2x Mignon (AA) NiMH 1.2 V
AC operation	via USB-C and Universal Power Adapter
Operating time	70 hrs. (OLP) and 50 hrs. (OLS) with the dry batteries
Environmental Conditions	
EMI/ESD	CE compliant
Recommended calibration interval	3 years
Operating temperature	-10 to +55 °C (14 to 131 °F)
Storage temperature	-20 to +70 °C (-4 to +158 °F)
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)

ORDERING INFORMATION

Description	Catalog Number
OLP-35V2 - Basic PM UPP Adapter; calibrated at 850/980/1310/1490/1550/1650 with BT	OLP-35V2
OLP-35SC - Basic PM with fixed SC Adp; calib. at 850/980/1310/1490/1550/1625 with BT	OLP-35SC
OLP-38V2 - High Power PM UPP Adapter; calib. at 850/980/1310/1550/1625 with BT	OLP-38V2
OLP-37XV2 - G/XGS-PON Selective PM, single SC/APC, 1490/1577 with BT	OLP-37XV2
OMK-35V2 - Service Provider Plus - SM Test Kit	OMK-35V2
OMK-36V2 - Enterprise Plus - Quad SM/MM Test Kit	OMK-36V2
OMK-38V2 - Service Provider High-Power Plus - SM Test Kit	OMK-38V2

Each device includes 2x AA alkaline batteries, a quick start guide, neck strap and a belt bag. The Power Meters also include a USB connection cable type C.

SAVITRI TELECOM SERVICES | Growing While Empowering

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