

Brochure

VIAVI

OMK-35V2, OMK-38V2 and OMK-36V2

SmartPocket™ V2 Optical Test Kits

The VIAVI SmartPocket V2 Optical Test Kits (OMK-3xV2) are the new generation of pocket-sized and rugged instruments for installing and maintaining singlemode (SM) and multimode (MM) fiber optic networks. All test kits are equipped with an optical power meter and a dual or quad-wavelength optical light source dedicated to power level, insertion loss measurements, and continuity checks.

A lightweight, shock-resistant splash-proof design and an extended operating time make OMK-3xV2 test kits ideal solutions for field use. A switchable adapter system on the light source with a universal push pull (UPP) adapter on the power meter that handles all 2.5 mm connectors (1.25 mm as optional accessory) make OMK-3xV2 test kit ready for every connector type in the field.



OMK-35V2

OMK-36V2

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
 - Fast Auto-λ, Multi-λ mode (~ 1 sec)
 - Clear pass/fail information
 - Automatic upload of results via VIAVI Mobile Tech application

Features

- Broadband power meter with Dual SM or Quad SM/MM sources
- 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 warranty and recalibration period

Applications

- Measuring optical power levels and link insertion loss for both SM and MM networks
- Network Build and Maintenance for
 - Enterprise/LAN
 - Access and Metro (LAN/WAN)
 - FTTx (e.g. Home/Antenna)
- Standard and high-power level tests for use in telecom, CATV, and military applications build



Kits:

- The OMK-35 V2 is a SM kit with an OLS-35V2 and an OLP-35V2 for Telecom applications.
- The OMK-38 V2 is a high power SM kit with an OLS-35V2 and an OLP-38V2 for CATV and amplified DWDM applications up to +26 dBm.
- The OMK-36V2 is a quad SM/MM kit with an OLS-36V2 and an OLP-35V2 for Enterprise LAN/WAN applications.

All Optical Test Kits include accessories: soft case, neck straps, bag, dry AA-batteries, universal AC power adapter, quick start guide, switchable optical adapter FC.

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 Auto- λ , Multi- λ and OptiChek modes means you can close out more jobs per day.

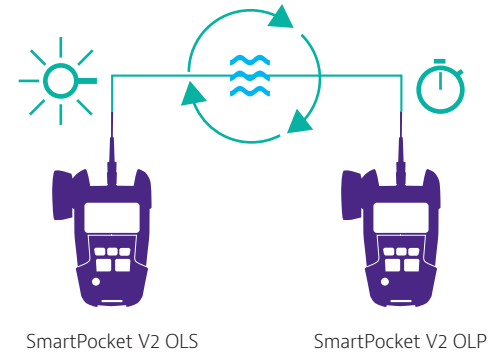
OptiChek Mode

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 or 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 power meters eliminates the risk of accidental test port damage. All SmartPocket V2 instruments come with integrated rubber 'bumpers' and recessed test port with a protective cap making 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 boasts an industry leading 70 hours of continuous operation for OPM (50 hours for OLS) and supports 3-way powering with field replaceable NiMH rechargeable, off the shelf alkaline batteries and AC powering. 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 warranty and 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

VIAMI 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.

Report date: Thursday, January 14, 2021

Optictekh Report - Sample 01

Technician Information

Company Name: Technician AG
Technician Name: Mr. Technician
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 [pWatts] | 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 | | | -19.90 | 0.00 |
| Room03, Fiber-001 | 1490 | | | 36.15 | -56.37 |
| Room03, Fiber-002 | 1550 | -22.86 | | | |
| Room03, 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 the assigned jobs rather than being slowed down with report generation and submission.

Mobile Tech App

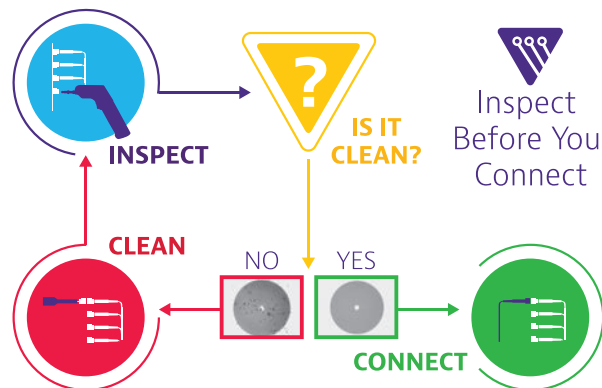
Operate Instruments and Execute App to App Sharing with a Mobile Device

- Synchronization to StrataSync – firmware updates and asset management
- Mobile App – IOS and Android
- App to App sharing to any compatible App
- Enriches test results with workflow audit details –geolocation data, time stamp, and multimedia attachments (pictures, signature capture)



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.






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.

Features

*5-year plans only

| Plan | Objective | Technical Assistance | Factory Repair | Priority Service | Self-paced Training | 5 Year Battery and Bag Coverage | Factory Calibration | Accessory Coverage | Express Loaner |
|---|------------------------------------|----------------------|----------------|------------------|---------------------|---------------------------------|---------------------|--------------------|----------------|
|  BronzeCare | Technician Efficiency | Premium | ✓ | ✓ | ✓ | | | | |
|  SilverCare | Maintenance & Measurement Accuracy | Premium | ✓ | ✓ | ✓ | ✓* | ✓ | | |
|  MaxCare | High Availability | Premium | ✓ | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ |



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