



Manufacturer:
Viavi

Product Name:
Viavi SmartPocket V2 OMK-38V2 SM High Power Test Kit

Manufacturer Part Number:
OMK-38V2

▶ [Click here for more details on the Viavi SmartPocket V2 OMK-38V2 SM High Power Test Kit](#)

Specifications for SmartPocket V2™

Light Sources

	OLS-34V2	OLS-35V2	OLS-36V2		OLS-38V2
Wavelengths	850, 1300 nm	1310, 1550 nm	850, 1300 nm	1310, 1550 nm	1310, 1550, 1625 nm
Wavelength Accuracy	- 20 / + 40 nm	± 20 nm	-20 / + 40 nm	± 20 nm	± 20 nm
FWHM Spectral Width	< 170 nm	< 5 nm	< 170 nm	< 5 nm	< 5 nm
Output Level	Typ. - 20 dBm	Typ. -3 dBm	Typ. -20 dBm	Typ. -3 dBm	Typ. - 6 dBm
Short Term Stability	± 0.02 dB within 15 min	± 0.02 dB within 15 min	± 0.02 dB within 15 min		± 0.02 dB within 15 min
Long Term Stability	± 0.05 dB within 8 hrs.	± 0.05 dB within 8 hrs.	± 0.05 dB within 8 hrs.		± 0.05 dB within 8 hrs.

Power Meters and selective PON Power Meter

	OLP-35V2	OLP-35SC	OLP-38V2	OLP-37XV2
Photo Diode	InGaAs	InGaAs	InGaAs (coated)	InGaAs
Spectral Range	Broadband (800...1650 nm)			Passband (1270...1500 nm, 1540...1650 nm)
Wavelength Setting	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
Measurement Range for Power Level	-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%) ¹	± 0.5 dB (± 12%) at ref. conditions
Number of Calibrated Wavelengths	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
Auto functions ²	Auto-λ / Multi-λ			Auto-λ / Multi-λ ³

¹When used with SC/PC connectors
²When used with VIAVI light sources
³In Broadband mode

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TruePON Testers

	OLP-39G	OLP-39X
Photo Diode	InGaAs	
Spectral Range	Passband (1480...1500 nm)	Passband (1480...1500 nm, 1575...1580 nm)
Wavelength Setting	1490 nm	1490 nm, 1577 nm
Resolution	0.01 dB, 0.001 μW	
Measurement Range for Power Level	-35 ... +10 dBm	
Measurement Range for PON-ID	GPON: -30 ... 0 dBm	GPON: -30 ... 0 dBm XGS-PON: -25 ... 0 dBm
Maximum Power Level	+ 20 dBm (continuously) + 26 dBm (< 30 min)	
Measurement Uncertainty	± 0.5 dB (± 12%) at ref. conditions	
Number of Calibrated Wavelengths	2 (1490, 1577 nm)	

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	Typ. -3 dBm	Typ. -20 dBm / -3 dBm	Typ. -3 dBm
Optical Power Meter Power Range	-65 to +10 dBm	-65 to +10 dBm	-50 to +26 dBm

General Information

General (typical at 25°C)	
Storage and Interface	
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	45 hrs. (OLP-35V2/-35SC/-38V2 and OLP-37XV2), 15 hrs. (OLP-39 versions) and 25 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)

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Ordering Information

Description	Catalog Number
OLP-35V2 - Broadband Power Meter with UPP Adapter	OLP-35V2
OLP-35SC - Broadband Power Meter with fixed SC Adapter	OLP-35SC
OLP-37XV2 - Selective PON Power Meter SC mounted FC enclosed	OLP-37XV2
OLP-37XV2 and Broadband SW option (already installed)	OLP-37XV2-INCL-BB
Broadband SW option for OLP-37XV2 via SmartReporter	2335/94.01G
Broadband SW option for OLP-37XV2 via StrataSync and Mobile Tech App (MTA) - requires StrataSync account	2335/94.01S
OLP-38V2 - High Power Broadband Power Meter with UPP Adapter	OLP-38V2
OLP-39G - TruePON Tester Terminate Mode GPON	OLP-39G
OLP-39X - TruePON Tester Terminate Mode GPON and XGS-PON	OLP-39X
SW Upgrade OLP-39G to OLP-39X	2336/94.01
OLS-34V2 - MM Source 850/1300 nm SC mounted FC enclosed	OLS-34V
OLS-35V2 - SM Source 1310/1550 nm SC mounted FC enclosed	OLS-35V2
OLS-36V2 - SM+MM Quad Source 850/1300/1310/1550 nm SC mounted FC enclosed	OLS-36V2
OLS-38V2 - SM Source 1310/1550/1625 nm SC mounted FC enclosed	OLS-38V2
OMK-35V2 - SM Test Kit with OLP-35V2 and OLS-35V2	OMK-35V2
OMK-36V2 - SM+MM Test Kit with OLP-35V2 and OLS-36V2	OMK-36V2
OMK-38V2 - High Power SM Test Kit with OLP-38V2 and OLS-35V2	OMK-38V2

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

Optional/Configurable

Description	Catalog Number
Calibration Report Power Meters (OLP-35V2/-35SC/-38V) and OLP-37XV2	2302/90.02
Calibration Report Light Sources (OLS-34V2/-35V2/-36V2/-38V2)	2303/90.01
Calibration Report TruePON Testers (OLP-39G and OLP-39X)	2302/90.04
UPP 1.25 mm for Power Meters (not for OLP-35SC)	VPP-UPP12
UPP 2.5 mm for Power Meters (not for OLP-35SC)	VPP-UPP25
Switchable Adapter FC/PC FC/APC for Light Sources and OLP-37XV2	2155/00.05
Switchable Adapter SC/PC for Spare Light Sources	2155/00.06
Switchable Adapter LC/PC LC/APC for Light Sources and OLP-37XV2	2155/00.07
Switchable Adapter SC/APC Spare for OLP-37XV2	2155/00.26
Switchable Adapter ST/PC for Light Sources	2155/00.32
OCK-10 Cleaning Kit complete	2229/90.21
USB 2.0 Type A to Type C Cable	22122619
Alkaline batteries Mignon AA-Size LR6	2229/90.01
Rechargeable batteries AA; NiMH; 1.2V; 2.6 / 2.7Ah	2237/90.02
Universal AC Power Adapter	2302/90.01
SmartReporter	free download from http://www.updatemyunit.net/

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