



Manufacturer:
Viavi

Product Name:
Viavi SmartPocket V2 OMK-35V2 SM Telecom Test Kit

Manufacturer Part Number:
OMK-35V2

▶ [Click here for more details on the Viavi SmartPocket V2 OMK-35V2 SM Telecom 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%) ^a	± 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

^aWhen 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 μ W	
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	\pm 0.5 dB (\pm 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/-355C/-38V2 and OLP-37XV2), 15 hrs. (OLP-39 versions) and 25 hrs. (OLS) with the dry batteries
Environmental Conditions	
EM/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-U125
UPP 2.5 mm for Power Meters (not for OLP-35SC)	VPP-U25
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 / 27Ah	2237/90.02
Universal AC Power Adapter	2302/90.01
SmartReporter	free download from http://www.updatemyunit.net/

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