

Data Sheet

VIAVI

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

	OLP-35V2	OLP-35SC	OLP-38V2	OLP-37XV2
				<i>G-PON, XGS-PON</i>
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
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

* 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	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	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
OLS-34V2 - LED Source 850/1300nm MM50/125 SC mounted FC enclosed	OLS-34V
OLS-35V2 - SM Source 1310/1550 SC mounted FC enclosed	OLS-35V2
OLS-36V2 - Quad Source SM/MM 850/1300 + 1310/1550 SC mounted FC enclosed	OLS-36V2
OLS-38V2 - SM Source 1310/1550/1625nm SC mounted FC enclosed	OLS-38V2
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.

Optional/Configurable

Description	Part Number
Calibration Report OLP-35/38	2302/90.02
Calibration Report OLS-35/36	2303/90.01
SmartClass Fiber OPM UPP Adapter 1.25 mm	VPP-UPP12
SmartClass Fiber OPM UPP Adapter 2.5 mm	VPP-UPP25
Switchable Optical Adapter FC/PC FC/APC	2155/00.05
Switchable Optical Adapter SC/PC	2155/00.06
Switchable Optical Adapter LC/PC LC/APC	2155/00.07
Switchable Optical Adapter SC/APC	2155/00.26
Switchable Optical Adapter ST/PC	2155/00.32
OCK-10 Cleaning Kit complete	2229/90.21
USB 2.0 Type A to Type C Cable	22122619
SM Cable 2x M SC-PC SC-PC 2000 mm	K3110
SM Cable 2x M FC-PC FC-PC 2000 mm	K3112
SM Cable 2x M FC-PC E-2000 APC 2000 mm	K3135
SM Cable 2x M FC-PC SC-PC 2000 mm	K3139
SM Cable 2x M SC-PC SC-PC 3000 mm	K3152
SM Cable 2x M DIN47256-APC8 SC-APC9 3000 mm	K3155
SM Cable 2x M DIN47256-APC8 SC-PC 3000 mm	K3156
SM Cable 2x M FC-PC LC-PC 2000 mm	K3140
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/