

# SmartPocket™ Optical Power Meters

OLP-34/35/38

Viavi Solutions™ next-generation SmartPocket OLP-3x optical power meter quickly, easily, and conveniently measures levels and loss in fiber networks. Intuitive, one-button operation, automatic wavelength recognition, and a large, sharp display that simultaneously shows relevant results and settings make it easy-to-use for technicians at any skill level. The small and rugged SmartPocket also includes unprecedented data storage capacity (saving up to 100 results) and downloads results to a PC with an optional micro USB port.



## Key Benefits

- Cost-effective, rugged high-performance solution
- 3-year recalibration period
- 1 nm incremental universal wavelength settings
- Universal optical interface supports all 2.5 mm with an option to support 1.25 mm connectors
- Auto  $\lambda$  detection and TwinTest mode
- Internal data storage and optional PC download capability
- Quick start operation eliminates warm-up

## Applications

- Measuring optical power levels and link insertion loss
- Enterprise LAN networks with 850/1300 nm multimode wavelengths capability
- Test access and metro (LAN/WAN) networks in multimode and single-mode
- Standard and high-power level tests for use in telecom, CATV, and military applications

## A Small Tool with Big Testing Capabilities

Large, sharp screen displays:

- Battery level status
- Power mode (PERM, ECON)
- Measurement results in dBm/W/dB
- Wavelength setting
- Auto wavelength detection
- Tone detection

Straightforward  
4-button operation



Rugged, shock resistant,  
and splash-proof design

3-way power

- AA dry
- AA rechargeable
- AC operation (optional)

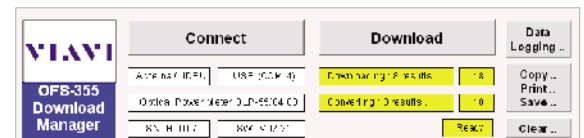
## Pocket-Sized Power Meters for Various Applications

For multimode enterprise networks and high-power applications, SmartPocket series power meters offer a range of optical fiber testing and troubleshooting capabilities for the field.

- The OLP-34 is optimized for LAN/WAN access and enterprise networks and multimode or single-mode applications
- The OLP-35 is optimized for standard telecommunication network applications
- The OLP-38 is a higher-power (+26 dBm) version for CATV (with analog RF transmission) or amplified DWDM systems applications

## Test and Report Field Measurements

Viavi OFS-355 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.



## Specifications

Technical	OPL-34	OPL-35	OPL-38
Detector type	Germanium	InGaAs	Filtered InGaAs
Optical interface/connectors	Universal 2.5 mm/1.25 mm <sup>1</sup>	Universal 2.5 mm/1.25 mm <sup>1</sup>	Universal 2.5 mm/1.25 mm <sup>1</sup>
Wavelength range	780 to 1600 nm	780 to 1650 nm	780 to 1650 nm
Programmable wavelengths	780 to 1600 nm, in 1 nm steps	780 to 1650 nm, in 1 nm steps	780 to 1650 nm, in 1 nm steps
Calibrated wavelengths	5 presets (customized)	5 presets (customized)	5 presets (customized)
Power range	850, 980, 1300, 1310, 1490, 1550 nm	850, 980, 1300, 1310, 1490, 1550, 1625 nm	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Display range	-60 to +5 dBm	-65 to +10 dBm	-50 to +26 dBm
Max. input power	-60 to +10 dBm	-65 to +13 dBm	-50 to +26 dBm
Measurement units	dB/dBm/W	dB/dBm/W	dB/dBm/W
Absolute uncertainty <sup>2</sup>	±0.2 dB (±5%)	±0.2 dB (±5%)	±0.2 dB (±5%)
Linearity <sup>3</sup>	±0.06 dB (-50 to +5 dBm)	±0.06 dB (-50 to +5 dBm)	±0.06 dB (-32 to +20 dBm)
Tone detection	270 Hz, 1 kHz, 2 kHz	270 Hz, 1 kHz, 2 kHz	270 Hz, 1 kHz, 2 kHz
Auto λ mode <sup>4</sup>	Yes	Yes	Yes
Multi λ mode <sup>4</sup>	TwinTest/serial TripleTest	TwinTest/serial TripleTest	TwinTest/serial TripleTest

Notes:

- Optional 1.25 mm UPP accessory adapter is available.
- Under these reference conditions: 20 dBm (CW), 1310 nm ±1 nm, 23°C ±3K, 5 to 75% relative humidity 9 to 50 μm test fiber with ceramic DIN connector.
- 5 to +45°C.
- With Viavi light sources.

### General (typical at 25°C)

#### Storage and Interface

Data storage	100 results
Data download capability	Micro USB interface for PC transfer (option)

#### Power Supply

Dry batteries	2x Mignon (AA) 1.5 V
Rechargeable batteries	2x Mignon (AA) NiMH 1.2 V
AC operation (optional)	Via micro USB and SNT-505
Battery life	≥200 hr Automatic power off after 20 minutes

#### Environmental Conditions

EMI/ESD	CE compliant
Recommended calibration interval	3 years
Operating temperature	-10 to +55°C (+14 to +131°F)
Storage temperature	-40 to +70°C (-40 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)

## Specifications

### Power Meters

Description	Part Number
OLP-34 optical power meter Germanium, +5 dBm with data storage	2302/01
OLP-35 optical power meter InGaAs, +10 dBm with data storage	2302/02
OLP-38 optical power meter Filtered InGaAs, +26 dBm with data storage	2302/03
OLP-34 optical power meter* Germanium, +5 dBm with data storage and USB download capability	2302/11
OLP-35 optical power meter* InGaAs, +10 dBm with data storage and USB download capability	2302/12
OLP-38 optical power meter* Filtered InGaAs, +26 dBm with data storage and USB download capability	2302/13

Each optical power meter includes a 2.5 mm UPP adapter, AA alkaline batteries, operating manual, neck strap, and a belt bag.

\* Includes downloading capability in addition to USB connection cable and a USB memory stick containing reporting software and product documentation.

### Optional Accessories

Description	Part Number
Fiber cleaning consumables kit	FCR-CLN-01
NiMH rechargeable batteries, Mignon AA, 1.2 V (2 batteries required)	2237/90.02
SNT-505; universal AC power adapter, micro USB connector	2302/90.01
UPP adapter for LC, MU (1.25 mm)	2256/90.03
USB connection cable OFS-355 (free download from <a href="http://viavisolutions.com">viavisolutions.com</a> )	K 807

© 2015 Viavi Solutions, Inc.  
Product specifications and descriptions in this document are subject to change without notice.  
olp-3x-ds-fop-tm.ae  
30162955 903 0915