

SmartPocket™ Optical Power Meter

OLP-34/35/38



Key features

- **Cost-effective, rugged and high performance solution**
- **3 year recalibration period**
- **Universal wavelength setting in 1 nm steps**
- **Universal optical interface supports all 2.5 mm and 1.25 mm connectors**
- **Auto λ detection and TwinTest mode**
- **Internal data storage and optional PC download capability**

Applications

- **Optical power level and link insertion loss measurements**
- **Enterprise / LAN networks with 850/1300 nm multimode wavelengths capability**
- **Access and metro (LAN/WAN) networks with multimode and singlemode testing combination.**
- **Standard and high power level testing for any telecom, CATV and military applications.**

The JDSU OLP-3x series is the new generation of small and rugged optical power meters for quick, easy and convenient field measurement of optical power level and loss in fiber networks.

The instruments provide a rugged and ergonomic design with a large and sharp display providing all relevant results and settings at the same time! An intuitive one-button operation combined with the automatic wavelength recognition makes the SmartPocket OLPs the products of choice for any technician dealing with fiber testing.

Unprecedented data storage capacity for this class of product, with up to 100 results saving and an optional micro USB port to download results to a PC, the SmartPocket™ instruments offer all you need from testing to reporting.

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A "small" product with "big" capabilities!

Clear big and sharp screen for displaying of:

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

4 buttons straight forward operations



Rugged, shock resistant and splash proof design

3-way powering

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

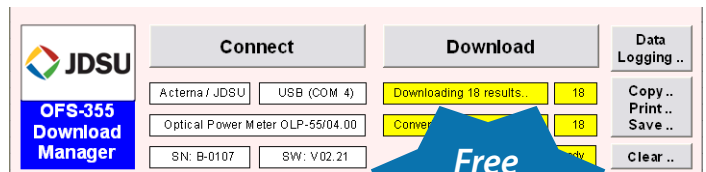
Pocket-sized power meters for all kind of applications

From multimode enterprise networks to high power applications, the SmartPocket™ series offers a complete range of power meters for testing and troubleshooting optical fibers in the field.

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

From testing to reporting field measurements

The JDSU Reporting Software OFS-355 offers a fast and efficient download of test results from the Power meters memory in a couple of clicks. Once the data have been downloaded the software provides all the reporting functions in order to create and generate professional certification reports.



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Technical Specifications

	OLP-34	OLP-35	OLP-38
Detector type	Germanium	InGaAs	Filtered InGaAs
Optical interface / connectors	Universal 2.5 mm / 1.25 mm ¹	Universal 2.5 mm / 1.25 mm ¹	Universal 2.5 mm / 1.25 mm ¹
Wavelength range	780 to 1600 nm	780 to 1650 nm	780 to 1650 nm
Wavelength settings	780 to 1600 nm, step size 1 nm	780 to 1650 nm, step size 1 nm	780 to 1650 nm, step size 1 nm
Programmable wavelengths	5 presets (customized)	5 presets (customized)	5 presets (customized)
Calibrated wavelengths	850, 980, 1300, 1310, 1490, 1550 nm	850, 980, 1300, 1310, 1490, 1550, 1625 nm	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Power Range	-60 to +5 dBm	-65 to +10 dBm	-50 to +26 dBm
Display range	-60 to +10 dBm	-65 to +13 dBm	-50 to +26 dBm
Max. input power	+13 dBm	+16 dBm	+27 dBm
Measurement units	dB / dBm / W	dB / dBm / W	dB / dBm / W
Absolute uncertainty ²	± 0.2 dB (± 5%)	± 0.2 dB (± 5%)	± 0.2 dB (± 5%)
Linearity ³	± 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 ⁴	Yes	Yes	Yes
Multi λ mode ⁴	TwinTest / serial TripleTest	TwinTest / serial TripleTest	TwinTest / serial TripleTest

1. 1.25 mm UPP adapter as accessory

2. Under reference conditions: -20 dBm (CW), 1310nm +/- 1nm, 23°C +/- 3K, 5 to 75 % relative humidity 9 to 50 μm test fiber with ceramic DIN connector.

3. -5 to +45°C.

4. With JDSU light sources

General Specifications

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 (option)	via micro USB and SNT-505
Battery life	≥ 200h Automatic power off after 20 minutes
Environmental conditions	
EMI/ESD	CE compliance
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"
Weight	200 g / 0.45 lb

Ordering Information

Reference Name / Description

2302/01	OLP-34 Optical Power Meter Germanium, +5 dBm with data storage
2302/02	OLP-35 Optical Power Meter InGaAs, +10 dBm with data storage
2302/03	OLP-38 Optical Power Meter Filtered InGaAs, +26 dBm with data storage
2302/11	OLP-34 Optical Power Meter Germanium, +5 dBm with data storage and USB download capability
2302/12	OLP-35 Optical Power Meter InGaAs, +10 dBm with data storage and USB download capability
2302/13	OLP-38 Optical Power Meter Filtered InGaAs, +26 dBm with data storage and USB download capability

Each product comes with 2.5 mm UPP adapter, AA alkaline batteries, operating manual, neck strap and a belt bag.

Power meters with download capability (BN 2302/11, BN 2302/12, BN 2302/13) come in addition with USB connection cable and USB stick containing reporting software and documentation material.

Optional Accessories

FCR-CLN-01	Fiber Cleaning Consumables Kit
2237/90.02	NiMH rechargeable batteries, Mignon AA, 1.2V (2 batteries required)
2302/90.01	SNT-505; universal AC power adapter, micro USB connector
2256/90.03	UPP adapter for LC, MU (1.25 mm)
K 807	USB connection cable OFS-355 Reporting Software (free download from jdsu.com)

Test & Measurement Regional Sales

NORTH AMERICA TEL: +1 866 228 3762 FAX: +1 301 353 9216	LATIN AMERICA TEL: +1 954 688-5660 FAX: +1 954 3454668	ASIA PACIFIC TEL: +852 2892 0990 FAX: +852 2892 0770	EMEA TEL: +49 7121 86 2222 FAX: +49 7121 86 1222	WEBSITE: www.jdsu.com/test
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