SmartPocket™ Optical Power Meter
OLP-34/35/38

Key features

- **Cost-effective, rugged and high performance solution**
- **3 year recalibration period**
- **Universal wavelength setting**
- **Universal optical interface for all 2.5 mm / 1.25 mm connector**
- **Auto λ detection and TwinTest mode**
- **Internal data storage and 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 field proof and ergonomic design with a large and sharp display providing all relevant parameters 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 result saving and a mini 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 low level indicator
- Power mode (PERM, ECO)
- Measurement results in dB/W
- Wavelength setting
- Auto wavelength detection
- Modulation frequency or CW

4 buttons straight forward operations

Small housing fits in your pocket

Rugged, shock resistant and splash proof design

3-year calibration period

3-way powering
- AA dry
- AA rechargeable
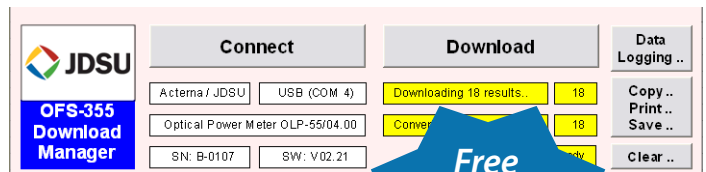- AC operation via micro USB

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 dedicated to LAN/WAN access and enterprise multimode or single mode applications.
- The OLP-35 covers 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 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.

Free of charge

Technical Specifications

	OLP-34	OLP-35	OLP-38
Detector type	Germanium	InGaAs	Filtered InGaAs
Optical interface / connectors	Universal 2.5 mm / 1.25 mm	Universal 2.5 mm / 1.25 mm	Universal 2.5 mm / 1.25 mm
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, 1300, 1310, 1490, 1550 nm	850, 1300, 1310, 1490, 1550, 1625 nm	850, 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 [1]	± 0.2 dB (± 5%)	± 0.2 dB (± 5%)	± 0.13 dB (± 3%)
Linearity[2]	0.06 dB (-50 to +5 dBm)	0.06 dB (-32 to +20 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 [3]	Yes	Yes	Yes
Multi λ mode [3]	TwinTest / serial TripleTest	TwinTest / serial TripleTest	TwinTest / serial TripleTest

1. Under reference conditions:-20 dBm (CW) , 1310nm +/- 1nm, 23°C+/- 3K, 5 to 75 % relative humidity 9 to 50 µm test fiber with DIN connector.
2. -5 to +45°C.
3. With JDSU light sources

General Specifications

Storage and interface	
Internal memory	100 results
Data read out	micro USB for PC transfer and AC power
Power supply	
Dry batteries	2x Mignon (AA) 1.5 V
Rechargeable batteries	2x Mignon (AA) NiMH 1.2V
AC operation	via USB (option)
Battery charging	no internal charging
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
2302/02	**OLP-35 Optical Power Meter** InGaAs, +10 dBm
2302/03	**OLP-38 Optical Power Meter** Filtered InGaAs, +26 dBm
2302/11	**OLP-34 Optical Power Meter** Germanium, +5 dBm with USB download function
2302/12	**OLP-35 Optical Power Meter** InGaAs, +10 dBm with USB download function
2302/13	**OLP-38 Optical Power Meter** Filtered InGaAs, +26 dBm with USB download function

Each product comes with dry batteries, operating manual and a soft case.

Accessories

FCR-CLN-01	Fiber Cleaning Consumables Kit
2237/90.02	NiMH rechargeable batteries, Mignon AA, 1.2V (2 batteries required)
2302/90.01	AC adapter SNT-505
K 807	USB connection cable
	OFS-355 Software

Test & Measurement Regional Sales