SmartPocket™ Optical Power Meters

OLP-34/35/38

Key Features

- 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 λ detection and TwinTest mode
- Internal data storage and optional PC download capability
- Quick start operation eliminates warm-up

Applications

- Measure 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

The JDSU SmartPocket OLP-3x series next-generation small, rugged optical power meters are ideal for quickly, easily, and conveniently measuring optical power level and loss in fiber networks from the field. The instruments' rugged ergonomic design and large, sharp display show relevant results and settings at the same time. Their intuitive one-button operation and automatic wavelength recognition is why technicians choose SmartPocket OLPs when they test fiber. SmartPocket instruments' unprecedented data storage capacity for saving up to 100 results and optional micro USB port for downloading results to a PC fulfills all of your testing and reporting needs.

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

Rugged, shock resistant and splash proof design

Straightforward 4-button operation

3-way power

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

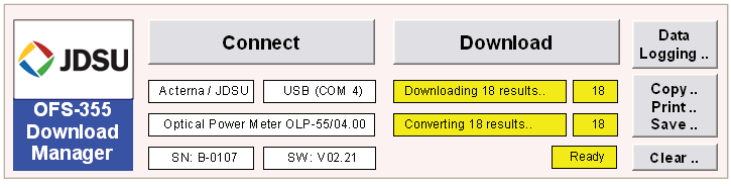
Pocket-sized power meters for various applications

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

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

Test and report field measurements

JDSU 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.



3

Specifications

Technical	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, in 1 nm steps	780 to 1650 nm, in 1 nm steps	780 to 1650 nm, in 1 nm steps
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

Notes:
1. Optional 1.25 mm UPP accessory adapter is available
2. 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
3. –5 to +45°C
4. With JDSU light sources

General

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)

Ordering Information

Power Meters

Product Number	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 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

Product Number	Description
FCR-CLN-01	Fiber Cleaning Consumables kit
2237/90.02	NiMH rechargeable batteries, Mignon AA, 1.2 V (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)

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