

**Aumictech**

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Data Sheet

August 15, 2026

ACTERNA

JDSU Acterna OLP-16 Optical Power Meter

The Acterna/JDSU OLP-16 (OLP-16B/OLP-16C family) is a handheld InGaAs optical power meter. OEM OLP-15/16/18 datasheet ACT00032 lists 800 to 1700 nm, display range minus 80 to plus 15 dBm, intrinsic uncertainty plus or minus 0.13 dB, switchable wavelengths including 850/1300/1310/1550/1625 nm, and 0.01 dB resolution. Fiber installation and maintenance power measurements, insertion-loss testing with a companion source, and modulated-fiber identification at 270 Hz to 2 kHz. InGaAs detector for second and third windows Power Cells: 2 x AA 1.2 V NiCd BN 2126/30 or alkaline Recommended Calibration Interval: 3 years Nominal Use Temperature: minus 10 C to plus 55 C From Acterna OLP-15C/16C/18C datasheet ACT00032 OLP-16C column and OLP-16B series tables. Confirm B versus C suffix and adapter BN on the unit.



MODEL

Acterna OLP-16

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

OLP-16

LISTING

<https://aumictechlabs.com/products/olp-16/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

Good condition. Comes with a case, connector and tip cleaner. Verification before listing: Standard tests performed. The JDSU Acterna OLP-16 is a high-performance handheld optical power meter from Acterna's OLP-15C/16C/18C series, built for installation, maintenance, and loss testing in fiber optic networks. It covers the full telecom wavelength range from 800 to 1700nm on a single InGaAs detector, which means 850nm multimode and 1310/1550/1625nm single-mode testing without swapping detector heads or recalibrating between wavelengths. Key Specs

Detector: InGaAs Wavelength Range: 800 to 1700nm Calibrated Wavelengths: 850, 1300, 1310, 1550, 1625nm Measurement Range: -60 to +10dBm (1310, 1550, 1625nm); -55 to +10dBm (850nm) Accuracy: ± 0.2 dB Resolution: 0.01dB Display Units: dBm, dB (relative loss), watts Data Storage: Up to 1000 test results Interface: RS-232 Adapter System: Universal Push-Pull (UPP), 1.25mm and 2.5mm compatible AutoWavelength Detection: Yes TwinTest: Yes (dual wavelength loss measurement, automated) Fiber ID: Yes (detects modulation frequency, audible tone) Power Supply: AA batteries Operating Temp: 0°C to 50°C Dimensions: 95 × 49 × 185mm Weight: 500g

The UPP adapter system is worth noting. Two adapters, one for 1.25mm ferrules and one for 2.5mm, cover FC, SC, ST, and LC without separate per-connector adapter bodies. In a field kit where you are touching different connector types across a job, that matters practically.

AutoWavelength Detection reads the modulation tone from the source and switches to the correct calibrated wavelength automatically. Paired with an Acterna OLS light source running a standard tone, the meter identifies the wavelength and sets itself without manual input. TwinTest runs 850nm and 1310nm loss measurements sequentially in one automated pass, which cuts down test time on dual-wavelength multimode certification jobs.

OLP Characteristics / Specifications

PARAMETER	VALUE
Model	OLP-16
Instrument Type	Handheld optical power meter
Wavelength Range	800 to 1700 nm
Photodiode	InGaAs
Fiber Type	9/125 to 50/125 um
Switchable Wavelengths	850 1300 1310 1480 1510 1550 1625 nm
Display Range	minus 80 to plus 15 dBm
Maximum Permitted Level	plus 15 dBm
Intrinsic Uncertainty	plus or minus 0.13 dB plus or minus 3 percent
Overall Uncertainty 850 nm	plus or minus 0.3 dB plus or minus 0.15 nW
Overall Uncertainty 1300 1310 nm	plus or minus 0.2 dB plus or minus 0.02 nW
Overall Uncertainty 1550 nm	plus or minus 0.2 dB plus or minus 0.02 nW
Overall Uncertainty 1625 nm	plus or minus 0.35 dB plus or minus 0.02 nW
Level Range For Overall Uncertainty	minus 70 to plus 11 dBm
Display Resolution	0.01 dB / 0.001 uW
Modulation Detection	270 Hz 330 Hz 1 kHz 2 kHz
Data Memory	1000 measurement results
Remote Interface	RS-232
Result Display	LCD 4 digit
Power Cells	2 x AA 1.2 V NiCd BN 2126/30 or alkaline
Auto Off	can be disabled
Recommended Calibration Interval	3 years
Nominal Use Temperature	minus 10 C to plus 55 C
Mechanical Package	handheld

OLP Specifications

PARAMETER	VALUE
InGaAs detector for second and third windows	Universal push-pull adapters for 1.25 and 2.5 mm ferrules
Tone detection 270 Hz 330 Hz 1 kHz 2 kHz	RS-232 data readout and 1000-result memory on C-series
Technical Specifications	Model: OLP-16

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Overall Uncertainty 850 nm	plus or minus 0.3 dB plus or minus 0.15 nW
Overall Uncertainty 1300 1310 nm	plus or minus 0.2 dB plus or minus 0.02 nW
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Notes

From Acterna OLP-15C/16C/18C datasheet ACT00032 OLP-16C column and OLP-16B series tables.
ConfirmBversusCsuffix and adapter BN on the unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.