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Data Sheet

August 13, 2026

JDS UNIPHASE

JDS Uniphase OLP-87P

Key Features - Integrated patch-cord microscope (not on stand-alone OLP-87) - Same selective PON meter as OLP-87 - P5000i option for bulkhead inspection - Wider 153 mm chassis than OLP-87 - 3.5 inch color touch screen - Order examples: 2306/36 (1310/1490/1550 SC-APC with PCM) and 2306/66 (XG-PON with PCM) Technical Specifications Model: OLP-87P Manufacturer: VIAVI Solutions (formerly JDSU) Instrument Type: SmartClass Fiber PON power meter with integrated PCM Alias: OLP87P; 2306/xx Display: 3.5 inch color LCD touch screen Display resolution: 0.01 dBm / 0.



MODEL

**JDS Uniphase
OLP-87P**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

OLP-87P

LISTING

<https://aumictechlabs.com/products/olp-87p-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase OLP-87P is a handheld optical power meter for qualification, activation, and troubleshooting of passive optical networks. It delivers wavelength-selective power measurement across B-PON, E-PON, G-PON, XG-PON, 10G-EPON, and NG-PON2 architectures. The instrument combines burst-mode upstream measurement, through-mode simultaneous signal detection (voice, data, RF video), and fiber end-face inspection into a single field-deployable platform. Technical Specifications Wavelength Coverage (Downstream): 1490 nm, 1550 nm, 1578 nm (configuration-dependent) Wavelength Coverage (Upstream/Burst Mode): 1310 nm, 1270 nm (configuration-dependent) NG-PON2 Wavelengths: 1535 nm upstream; 1598.89 nm, 1598.04 nm,

1597.18 nm, 1596.34 nm downstream Measurement Modes: Wavelength-selective FTTx/PON power; simultaneous multiservice through-mode; burst-mode upstream; individual NG-PON2 TWDM channel analysis Data Capacity: Up to 10,000 measurement results (internal storage) Display: High-contrast color LCD touchscreen with smartphone-style interface Power Supply: AA dry cell or rechargeable batteries (e.g., RBP2 Li-ion); optional 12V PS4 universal AC/DC supply Interfaces: USB, Ethernet, optional Wi-Fi Key Features Integrated Patch-Cord Microscope (PCM) on OLP-87P for direct fiber inspection Automated image centering with user-definable pass/fail criteria (IEC 61300-3-35 compatible) Optional P5000i digital analysis microscope integration for automated fiber qualification Broadband power meter option available Smart Reporter™ PC software for measurement management and certification report generation Data export via USB or Ethernet Typical Applications Field activation and commissioning of PON networks In-service power and signal monitoring Fiber link troubleshooting Optical connector inspection and acceptance verification Compatibility & Integration Supported networks: B-PON, E-PON, G-PON, XG-PON, 10G-EPON, NG-PON2. Direct fiber inspection via integrated microscope; third-party microscope compatibility via P5000i digital platform.

Features & description

From manufacturer datasheet

Features

- Integrated patch-cord microscope (not on stand-alone OLP-87)
- Same selective PON meter as OLP-87
- P5000i option for bulkhead inspection
- Wider 153 mm chassis than OLP-87
- 3.5 inch color touch screen
- Order examples: 2306/36 (1310/1490/1550 SC-APC with PCM) and 2306/66 (XG-PON with PCM)

OLP87P Characteristics / Specifications

PARAMETER	VALUE
Model	OLP-87P
Manufacturer	VIAVI Solutions (formerly JDSU)
Instrument Type	SmartClass Fiber PON power meter with integrated PCM
Alias	OLP87P; 2306/xx
Display	3.5 inch color LCD touch screen
Display resolution	0.01 dBm / 0.001 uW
Measurement units	dB, dBm, W
ORL	greater than 60 dB (APC versions)
Upstream 1270 burst range	-40 to +13 dBm (burst -35 to +13 dBm)
Upstream 1270 max input	+17 dBm
Upstream 1310 burst range	-40 to +13 dBm (burst -35 to +13 dBm)
Upstream 1310 max input	+17 dBm
Downstream 1490 range	-50 to +13 dBm
Downstream 1490 max input	+15 dBm
RF video 1550 range	-50 to +26 dBm
RF video 1550 max input	+27 dBm
Downstream 1578 range	-50 to +13 dBm (XG-PON version)
Pass through insertion loss	less than 1.5 dB at 23 C $\pm$ 3 C, calibrated FTTx wavelengths
Power uncertainty FTTx	$\pm$ 0.5 dB at 23 C $\pm$ 3 C, at -7 dBm
Broadband option uncertainty	$\pm$ 0.2 dB ($\pm$ 5%) at 23 C $\pm$ 3 C, -20 dBm (separate UPP)
Broadband calibrated wavelengths	1310/1490/1550/1625 nm
Tone detection	270 Hz, 1 kHz, 2 kHz
Data memory	10000 measurement results
Fiber inspection	integrated PCM plus optional external P5000i
Live image	320 $\times$ 240 $\times$ 8 bit grey, 10 fps

PARAMETER	VALUE
Electrical interfaces	2 x USB host, 1 x micro USB, Ethernet
Power source	AC adaptor, 8 x AA alkaline, or optional Li-ion pack
Optical connectors	SC switchable (FC, ST, LC available)
Recalibration interval	3 years
Dimensions OLP 87P	208 × 153 × 64 mm
Weight OLP 87P	850 g
Operating temperature	-10 C to +55 C
Storage temperature	-20 C to +70 C
Related stand alone size	OLP-87 208 × 112 × 64 mm / 750 g
Threshold sets	greater than 1000 configurable

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 C to +70 C
Operating temperature	10 C to +55 C
Operating Temperature	10 C to +55 C
Related stand alone size	OLP-87 208 × 112 × 64 mm / 750 g
Threshold sets	greater than 1000 configurable Notes Specs from VIAVI OLP-87/87P SmartClass Fiber datasheet. PON power rows are shared with OLP-87; mechanical size/weight and PCM are OLP-87P-specific. Confirm wavelength version 2306/36 versus 2306/66 on the label.

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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Instrument Type	SmartClass Fiber PON power meter with integrated PCM
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Measurement units	dB, dBm, W
ORL	greater than 60 dB (APC versions)
Upstream 1270 burst range	-40 to +13 dBm (burst -35 to +13 dBm)
Upstream 1270 max input	+17 dBm
Upstream 1310 burst range	-40 to +13 dBm (burst -35 to +13 dBm)
Upstream 1310 max input	+17 dBm
Downstream 1490 range	-50 to +13 dBm
Downstream 1490 max input	+15 dBm
RF video 1550 range	-50 to +26 dBm
RF video 1550 max input	+27 dBm
Downstream 1578 range	-50 to +13 dBm (XG-PON version)
Pass through insertion loss	less than 1.5 dB at 23 C ±3 C, calibrated FTTx wavelengths
Power uncertainty FTTx	±0.5 dB at 23 C ±3 C, at -7 dBm
Broadband option uncertainty	±0.2 dB (±5%) at 23 C ±3 C, -20 dBm (separate UPP)
Broadband calibrated wavelengths	1310/1490/1550/1625 nm
Tone detection	270 Hz, 1 kHz, 2 kHz
Data memory	10000 measurement results
Fiber inspection	integrated PCM plus optional external P5000i
Live image	320 x 240 x 8 bit grey, 10 fps
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Notes

Specs from VIAVI OLP-87/87P SmartClass Fiber datasheet. PON power rows are shared with OLP-87; mechanical size/weight and PCM are OLP-87P-specific. Confirm wavelength version 2306/36 versus 2306/66 on the label.

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

Aumictech

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NIST-traceable calibration · SAM registered ·
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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.