

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase MAP-OPM (MAPM+2PS11)

The JDS Uniphase MAP-OPM (MAPM+2PS11) is a versatile optical power meter designed for accurate measurement of optical power levels in various fiber optic systems. It features a high-performance sensor, a wide dynamic range, and user-friendly interface for ease of operation. Ideal for installation, maintenance, and testing of optical networks.



MODEL

**JDS Uniphase
MAP-OPM
(MAPM+2PS11)**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**MAP-OPM
(MAPM+2PS11)**

LISTING

<https://aumictechlabs.com/products/map-opm-mapm-2ps11-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase MAP-OPM (MAPM+2PS11) is a modular optical power meter module for the MAP-200 platform, delivering precision InGaAs-based measurements across single, dual, or quad channel configurations. Deploy as a panel-mount or remote-head detector to match your integration architecture. The module supports wavelength coverage from 800 nm to 1650 nm (expandable to 750–1700 nm in select configurations) with dynamic range from -70 dBm to +27 dBm depending on grade selection. High sampling at 250 kHz and 100,000-point memory depth per sensor enable transient capture and waveform logging. Extremely low PDL and 35 dB optical return loss ensure measurement fidelity in demanding optical test environments. Technical Specifications Optical Performance Wavelength range: 800 nm to 1650 nm (general purpose); 750 nm to 1700 nm (select configurations) Measurement range: -70 dBm to +10 dBm (general

purpose); -80 dBm to +10 dBm (high-performance); up to +27 dBm (high-power) Detector type: Indium Gallium Arsenide (InGaAs) Detector size: 2 mm (general purpose head) Optical return loss: 35 dB (input and output ports) Polarization dependent loss: Extremely low Electrical & Data Sampling rate: Up to 250 kHz Array capture: 100,000 points per optical sensor Optical connectors: FC/APC or SC/APC (configuration dependent) RF input connectors: GPO (for modulator compatibility) Environmental Operating temperature: 0 °C to 75 °C Storage temperature: -40 °C to 85 °C Key Features Three performance grades General Purpose, and High-Power - for application-specific requirements Flexible multi-channel architecture: single, dual, or quad configurations Panel-mount or remote-head deployment options High sampling rate and deep memory suitable for transient events and detailed logging Compatible with high-speed Mach-Zehnder modulators Single-sided electrical I/O on select configurations Typical Applications Optical power measurement in WDM and CWDM systems High-speed modulation characterization Real-time signal monitoring and transient capture Extended-range measurements from -80 dBm to +27 dBm Compatibility & Integration Designed for the JDS Uniphase MAP-200 platform. Module-level design enables sharing and stacking within the chassis, protecting investment in earlier MAP-generation equipment. Integrates with other MAP modules for compound test configurations.

Features & description

From manufacturer datasheet

High Power Detector: Filtered 2 mm InGaAs; 800 to 1635 nm; plus 27 to minus 45 dBm

Silicon Detector Wavelength / Range: 800 to 1000 nm; plus 10 to minus 90 dBm Uncertainty At Reference GP 1510-1600 nm: plus or minus 2.4 percent Uncertainty At Reference Premium/Ultra 1510-1600 nm: plus or minus 2.3 percent Linearity At 23 plus or minus 5 C GP: plus or minus 0.010 dB plus or minus 5 pW Linearity Premium: plus or minus 0.010 dB plus or minus 1 pW Linearity Ultra: plus or minus 0.010 dB plus or minus 0.1 pW Linearity High Power Minus 45 To Plus 10 dBm: plus or minus 0.010 dB plus or minus 100 pW Linearity High Power Plus 10 To Plus 27 dBm: plus or minus 0.03 dB Noise Peak To Peak GP / Premium / Ultra / HP: 2 pW / 1 pW / less than 0.1 pW / 50 pW Relative Uncertainty Due To Polarization GP / Premium / Ultra / HP: plus or minus 0.015 / 0.01 / 0.01 / 0.07 dB Return Loss Typical: greater than 55 dB Sampling Time: 4 us (250 kHz) Averaging Time: 20 us to 5 s Buffer Size Per Channel: 100000 points Channels Panel Mount: 1 2 or 4 Fiber Type: SMF and MMF NA 0.27 max core 62.5 um Module DimensionsWxHxD: 4.06 × 13.26 × 37.03 cm Module Weight: 1.2 kg Warm-Up Time: 30 min Recalibration Period: 1 year Platform Compatibility: MAP-200 and MAP-300 Notes From VIAVI Optical Power Meter mOPM-C1 datasheet specification tables. Queue MAPM+2PS11 / MAP-OPM maps to the MAP optical power meter family; confirm detector options on the cassette.

MAPOPMMAPM2PS11 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	VIAVI / JDSU MAP mOPM
Detector Grades	General Purpose Premium Ultra High Power InGaAs; Silicon option
General Purpose Detector	2 mm InGaAs; 800 to 1650 nm; plus 11 to minus 70 dBm
Premium Detector	3 mm TEC InGaAs; 750 to 1700 nm; plus 11 to minus 80 dBm
Ultra Detector	3 mm TEC InGaAs; 750 to 1700 nm; plus 11 to minus 100 dBm panel mount
High Power Detector	Filtered 2 mm InGaAs; 800 to 1635 nm; plus 27 to minus 45 dBm
Silicon Detector Wavelength / Range	800 to 1000 nm; plus 10 to minus 90 dBm
Linearity At 23 plus or minus 5 C GP	plus or minus 0.010 dB plus or minus 5 pW
Linearity Premium	plus or minus 0.010 dB plus or minus 1 pW
Linearity Ultra	plus or minus 0.010 dB plus or minus 0.1 pW
Linearity High Power Minus 45 To Plus 10 dBm	plus or minus 0.010 dB plus or minus 100 pW
Linearity High Power Plus 10 To Plus 27 dBm	plus or minus 0.03 dB
Noise Peak To Peak GP / Premium / Ultra / HP	2 pW / 1 pW / less than 0.1 pW / 50 pW
Relative Uncertainty Due To Polarization GP / Premium / Ultra / HP	plus or minus 0.015 / 0.01 / 0.01 / 0.07 dB
Return Loss Typical	greater than 55 dB
Sampling Time	4 us (250 kHz)
Averaging Time	20 us to 5 s
Buffer Size Per Channel	100000 points
Channels Panel Mount	1 2 or 4
Fiber Type	SMF and MMF NA 0.27 max core 62.5 um
Module DimensionsWxHxD	4.06 × 13.26 × 37.03 cm
Module Weight	1.2 kg

PARAMETER	VALUE
Recalibration Period	1 year
Platform Compatibility	MAP-200 and MAP-300
Warm-up time	30 min
Return loss	Typical: greater than 55 dB

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.

performance grades plus silicon option
Panel-mount or remote detector heads
250 kHz sampling with 100000 point buffers
OPMscope super application support
Integrating sphere remote heads to plus 33 dBm class

Technical Specifications

Technical Specifications

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Ultra Detector	3 mm TEC InGaAs; 750 to 1700 nm; plus 11 to minus 100 dBm panel mount
High Power Detector	Filtered 2 mm InGaAs; 800 to 1635 nm; plus 27 to minus 45 dBm
Silicon Detector Wavelength / Range	800 to 1000 nm; plus 10 to minus 90 dBm

Uncertainty At Reference GP 1510-1600 nm: plus or minus 2.4 percent
Uncertainty At Reference Premium/Ultra 1510-1600 nm: plus or minus 2.3 percent
Linearity At 23 plus or minus 5 C GP: plus or minus 0.010 dB plus or minus 5 pW
Linearity Premium: plus or minus 0.010 dB plus or minus 1 pW
Linearity Ultra: plus or minus 0.010 dB plus or minus 0.1 pW
Linearity High Power Minus 45 To Plus 10 dBm: plus or minus 0.010 dB plus or minus 100 pW
Linearity High Power Plus 10 To Plus 27 dBm: plus or minus 0.03 dB
Noise Peak To Peak GP / Premium / Ultra / HP: 2 pW / 1 pW / less than 0.1 pW / 50 pW
Relative Uncertainty Due To Polarization GP / Premium / Ultra / HP: plus or minus 0.015 / 0.01 / 0.01 / 0.07 dB

Specifications

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Fiber Type	SMF and MMF NA 0.27 max core 62.5 um
Module DimensionsWxHxD	4.06 x 13.26 x 37.03 cm

PARAMETER	VALUE
Module Weight	1.2 kg
Warm-Up Time: 30 min	
Recalibration Period: 1 year	
Platform Compatibility: MAP-200 and MAP-300	
Notes	
From VIAVI Optical Power Meter mOPM-C1 datasheet specification tables. Queue MAPM+2PS11 / MAP-OPM maps to the MAP optical power meter family; confirm detector options on the cassette.	

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