

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase MAPM+1P1

The JDS Uniphase MAPM+1P1 is a single-channel optical power meter module engineered for integration into the JDS Uniphase MAP-220 platform and compatible MAP chassis systems. It delivers precise optical power measurements across the 800 nm to 1650 nm spectrum, supporting both single-mode and multi-mode fiber configurations. The module measures power levels from -80 dBm to +10 dBm with a 3 mm InGaAs sensor element and connects via SC connector. Fiber Compatibility: Single-Mode Fiber (SMF) and Multi-Mode Fiber (MMF) 62.5/125 μ m Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase MAPM+1P1. Calibration covers detector responsivity at 850, 1310, 1490, 1550, and 1625 nm, absolute power accuracy, linearity across the full dynamic range, and reference power level. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after re



MODEL

**JDS Uniphase
MAPM+1P1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MAPM+1P1

LISTING

<https://aumictechlabs.com/products/mapm-1p1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase MAPM+1P1 is a single-channel optical power meter module engineered for integration into the JDS Uniphase MAP-220 platform and compatible MAP chassis systems. It delivers precise optical power measurements across the 800 nm to 1650 nm spectrum, supporting both single-mode and multi-mode fiber configurations. The module measures power

levels from -80 dBm to +10 dBm with a 3 mm InGaAs sensor element and connects via SC connector. Technical Specifications Sensor Element: 3 mm InGaAs Wavelength Range: 800 nm to 1650 nm Power Measurement Range: -80 dBm to +10 dBm Connector Type: SC (included) Fiber Compatibility: Single-Mode Fiber (SMF) and Multi-Mode Fiber (MMF) 62.5/125 μ m Key Features Hot-swappable module design for rapid configuration changes Wide dynamic range across infrared wavelengths Support for both SMF and MMF transmission systems Modular architecture enables benchtop or rack-mount deployment Typical Applications Optical component characterization and validation Fiber-optic system power monitoring Laboratory optical measurements Optical manufacturer test station deployment Compatibility & Integration The MAPM+1P1 integrates into the MAP-220C two-slot chassis and is compatible with larger MAP systems including the MAP-230B (three-slot) and MAP-280 (eight-slot) platforms. All MAP-200 modules and chassis support remote interfaces via GPIB or LXI, enabling automated test sequences and distributed instrumentation architectures.

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 Supported Connectors Class: FC ST LC E2000 MU MTP or bare fiber Integrated Remote Head Dynamic Range Class: plus 33 to minus 55 dBm premium sphere Remote Head Cable Length: 1.4 m Module DimensionsWxHxD: 4.06 × 13.26 × 37.03 cm

MAPM1P1 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	VIAVI MAP mOPM-C1
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
Supported Connectors Class	FC ST LC E2000 MU MTP or bare fiber
Integrated Remote Head Dynamic Range Class	plus 33 to minus 55 dBm premium sphere

PARAMETER	VALUE
Remote Head Cable Length	1.4 m
Module DimensionsWxHxD	4.06 × 13.26 × 37.03 cm
Module Weight	1.2 kg
Recalibration Period	1 year
Operating Temperature GP/Premium/HP	5 to 40 C
Operating Temperature Ultra	5 to 33 C
Humidity	15 to 80 percent RH non-condensing
Platform Compatibility	MAP-200 and MAP-300
Operating temperature	GP/Premium/HP: 5 to 40 C
Warm-up time	30 min
Return loss	Typical: greater than 55 dB

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	GP/Premium/HP: 5 to 40 C
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Humidity	15 to 80 percent RH non-condensing
Operating Temperature GP/Premium/HP	5 to 40 C
Operating Temperature Ultra	5 to 33 C
Platform Compatibility	MAP-200 and MAP-300 Notes From VIAVI Optical Power Meter mOPM-C1 datasheet specification tables. MAPM+1P1 single-channel MAP power meter class; numeric rows from mOPM-C1 OEM tables. Confirm detector grade on faceplate.

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

PARAMETER	VALUE
Instrument Family	VIAVI MAP mOPM-C1
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

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

PARAMETER	VALUE
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
Supported Connectors Class	FC ST LC E2000 MU MTP or bare fiber

PARAMETER	VALUE
Integrated Remote Head Dynamic Range Class	plus 33 to minus 55 dBm premium sphere
Remote Head Cable Length	1.4 m
Module DimensionsWxHxD	4.06 x 13.26 x 37.03 cm
Module Weight	1.2 kg

Warm-Up Time: 30 min

Specifications

PARAMETER	VALUE
Recalibration Period	1 year
Operating Temperature GP/Premium/HP	5 to 40 C
Operating Temperature Ultra	5 to 33 C
Humidity	15 to 80 percent RH non-condensing
Platform Compatibility	MAP-200 and MAP-300

Notes
From VIAVI Optical Power Meter mOPM-C1 datasheet specification tables. MAPM+1P1 single-channel MAP power meter class; numeric rows from mOPM-C1 OEM tables. Confirm detector grade on faceplate.

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.