

**Aumictech**

Test &amp; measurement · bought, sold, repaired, calibrated

**Data Sheet**

August 15, 2026

JDS UNIPHASE

## JDS Uniphase MAP200-MOPM-A1100

The MAP200-MOPM-A1100 is a modular optical power meter module designed for integration into the JDS Uniphase MAP-200 platform. This detector-based instrument delivers high absolute power measurement accuracy across broad power and wavelength ranges, supporting datacom and telecom applications in laboratory and manufacturing environments. The module enables precise optical power characterization on bare fiber and multiple fiber types with low polarization dependent loss, while high-speed data logging captures transient measurement events across dynamic power profiles. Power Measurement Range: -80 dBm to +10 dBm; high-power configurations support up to 2 W (33 dBm) Detector Options: InGaAs, Ge, TEC (temperature-controlled InGaAs), filtered InGaAs Multiple detector configurations for application-specific wavelength and power requirements

**MODEL****JDS Uniphase  
MAP200-MOPM-  
A1100****CALIBRATION****Available on  
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****MAP200-MOPM-  
A1100****LISTING**[https://aumictechlabs.c  
om/products/map200-  
mopm-a1100-2/](https://aumictechlabs.com/products/map200-mopm-a1100-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

### This unit

The MAP200-MOPM-A1100 is a modular optical power meter module designed for integration into the JDS Uniphase MAP-200 platform. This detector-based instrument delivers high absolute power measurement accuracy across broad power and wavelength ranges, supporting datacom and telecom applications in laboratory and manufacturing environments. The module enables

precise optical power characterization on bare fiber and multiple fiber types with low polarization dependent loss, while high-speed data logging captures transient measurement events across dynamic power profiles. Technical Specifications Wavelength Range: 800 nm to 1650 nm (extended options to 750 nm–1700 nm) Power Measurement Range: –80 dBm to +10 dBm; high-power configurations support up to 2 W (33 dBm) Detector Options: InGaAs, Ge, TEC (temperature-controlled InGaAs), filtered InGaAs Detector Apertures: 2 mm, 3 mm, and 10 mm sizes Polarization Dependent Loss: Low PDL Data Logging: High-speed capability for transient measurements Analog Output: Standard analog output for external monitoring Key Features Hot-swappable module architecture within MAP-200 chassis Supports bare fiber and broad fiber type combinations Multiple detector configurations for application-specific wavelength and power requirements Field-replaceable detector modules Typical Applications Telecommunications and data communications testing, optical component characterization, power measurement in fiber-based systems, transient power analysis, manufacturing test environments. Compatibility & Integration MAP-200 Platform: Three-slot and eight-slot (19-inch rack) configurations; controller/power-supply field-replaceable module. Connectivity: LXI Class C compliant, USB, GPIB, Ethernet. Automation & Control: IVI-compliant drivers support LabVIEW, Visual C++, Visual Basic, and LabWindows environments. Platform automation enables integrated test sequences.

## Features & description

---

From manufacturer datasheet

### **Polarization Uncertainty: plus or minus 0.01 dB**

Spectral Ripple: plus or minus 0.005 dB Linearity 1520 To 1570 Nm: plus or minus 0.025 dB (minus 65 to 10 dBm) Return Loss: greater than 55 dB Noise Peak To Peak: less than 5 pW Averaging Time: 100 us to 5 s Analog Output: 0 to 2 V Warm Up Time: 20 minutes Recalibration Period: 1 year Operating Temperature: 5 to 40 C Dimensions: 4.06 × 13.26 × 37.03 cm Mass: 1.2 kg (2.65 lb) Reference Condition Power: 100 uW (minus 10 dBm) at 23 plus or minus 3 C Notes From JDSU MAP-200 Optical Power Meter (mOPM-A1) specifications table for 3 mm InGaAs. MOPM-A1100 is the single-channel InGaAs configuration; dual-channel is MOPM-A1110.

# MAP200MOPMA1100 Characteristics / Specifications

| PARAMETER                   | VALUE                                                         |
|-----------------------------|---------------------------------------------------------------|
| Model                       | MOPM-A1100                                                    |
| Also Known As               | MAP200-MOPM-A1100                                             |
| Instrument Type             | MAP-200 optical power meter cassette                          |
| Sensor Element              | 3 mm InGaAs                                                   |
| Wavelength Range            | 800 to 1650 nm                                                |
| Power Range                 | minus 80 to plus 10 dBm                                       |
| Fiber Type                  | SMF and MMF NA 0.27 maximum                                   |
| Maximum Core Diameter       | 62.5 um                                                       |
| Uncertainty 1200 To 1550 Nm | plus or minus 2.5 percent at reference                        |
| Uncertainty 800 To 1200 Nm  | plus or minus 4.0 percent at reference                        |
| Uncertainty 1550 To 1600 Nm | plus or minus 3.5 percent at reference                        |
| Uncertainty 1600 To 1630 Nm | plus or minus 4.0 percent at reference                        |
| Total Uncertainty           | plus or minus 4.5 percent plus or minus 5 pW (800 to 1630 nm) |
| Polarization Uncertainty    | plus or minus 0.01 dB                                         |
| Spectral Ripple             | plus or minus 0.005 dB                                        |
| Linearity 1520 To 1570 Nm   | plus or minus 0.025 dB (minus 65 to 10 dBm)                   |
| Return Loss                 | greater than 55 dB                                            |
| Noise Peak To Peak          | less than 5 pW                                                |
| Averaging Time              | 100 us to 5 s                                                 |
| Analog Output               | 0 to 2 V                                                      |
| Warm Up Time                | 20 minutes                                                    |
| Recalibration Period        | 1 year                                                        |
| Operating Temperature       | 5 to 40 C                                                     |
| Dimensions                  | 4.06 × 13.26 × 37.03 cm                                       |
| Mass                        | 1.2 kg (2.65 lb)                                              |

| PARAMETER                 | VALUE                                         |
|---------------------------|-----------------------------------------------|
| Reference Condition Power | 100 uW (minus 10 dBm) at 23 plus or minus 3 C |

# MAP200MOPMA1100 Specifications

| PARAMETER                         | VALUE                                                                                                                           |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Applications                      | SMF/MMF absolute power, linearity, and high-speed logging on MAP-230/MAP-280 mainframes in photonic manufacturing and lab test. |
| Key Features                      | 3 mm InGaAs detector on channel 1                                                                                               |
| Analog electrical output 0 to 2 V | AC100 interchangeable detector adapters                                                                                         |
| Technical Specifications          | Model: MOPM-A1100                                                                                                               |

# General Specifications & Supplementary Characteristics

| PARAMETER                 | VALUE                                                                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature     | 5 to 40 C                                                                                                                                                                                                                    |
| Operating Temperature     | 5 to 40 C                                                                                                                                                                                                                    |
| Dimensions                | 4.06 × 13.26 × 37.03 cm                                                                                                                                                                                                      |
| Mass                      | 1.2 kg (2.65 lb)                                                                                                                                                                                                             |
| Reference Condition Power | 100 uW (minus 10 dBm) at 23 plus or minus 3 C Notes From JDSU MAP-200 Optical Power Meter (mOPM-A1) specifications table for 3 mm InGaAs. MOPM-A1100 is the single-channel InGaAs configuration; dual-channel is MOPM-A1110. |

# 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              |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Specifications              |                                                               |
| PARAMETER                   | VALUE                                                         |
| Model                       | MOPM-A1100                                                    |
| Also Known As               | MAP200-MOPM-A1100                                             |
| Instrument Type             | MAP-200 optical power meter cassette                          |
| Sensor Element              | 3 mm InGaAs                                                   |
| Wavelength Range            | 800 to 1650 nm                                                |
| Power Range                 | minus 80 to plus 10 dBm                                       |
| Fiber Type                  | SMF and MMF NA 0.27 maximum                                   |
| Maximum Core Diameter       | 62.5 um                                                       |
| Uncertainty 1200 To 1550 Nm | plus or minus 2.5 percent at reference                        |
| Uncertainty 800 To 1200 Nm  | plus or minus 4.0 percent at reference                        |
| Uncertainty 1550 To 1600 Nm | plus or minus 3.5 percent at reference                        |
| Uncertainty 1600 To 1630 Nm | plus or minus 4.0 percent at reference                        |
| Total Uncertainty           | plus or minus 4.5 percent plus or minus 5 pW (800 to 1630 nm) |
| Polarization Uncertainty    | plus or minus 0.01 dB                                         |
| Spectral Ripple             | plus or minus 0.005 dB                                        |
| Linearity 1520 To 1570 Nm   | plus or minus 0.025 dB (minus 65 to 10 dBm)                   |
| Return Loss                 | greater than 55 dB                                            |
| Noise Peak To Peak          | less than 5 pW                                                |
| Averaging Time              | 100 us to 5 s                                                 |
| Analog Output               | 0 to 2 V                                                      |
| Warm Up Time                | 20 minutes                                                    |
| Recalibration Period        | 1 year                                                        |
| Operating Temperature       | 5 to 40 C                                                     |
| Dimensions                  | 4.06 x 13.26 x 37.03 cm                                       |
| Mass                        | 1.2 kg (2.65 lb)                                              |
| Reference Condition Power   | 100 uW (minus 10 dBm) at 23 plus or minus 3 C                 |

#### Notes

From JDSU MAP-200 Optical Power Meter (MOPM-A1) specifications table for 3 mm InGaAs. MOPM-A1100 is the single-channel InGaAs configuration; dual-channel is MOPM-A1110.

### Available from Aumictech

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

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

#### Aumictech

788 S 500 E, Pleasant Grove, UT 84062  
[sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341  
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·  
30-day returns  
NAICS 423690 · 811210 · 541380  
Generated August 15, 2026

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