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Data Sheet

August 13, 2026

JDSU / VIAVI

JDSU / Viavi MAP-280 / MAP-200 Series Benchtop Mainframe Controller

The JDSU/Viavi MAP-280/MAP-200 Series Benchtop Mainframe Controller is a modular platform for optical test and measurement in laboratory and manufacturing environments. It manages interchangeable test modules to deliver optical, transport, and data communication testing across network infrastructure and optical transmission element development. The MAP-280 houses 8 slots; the MAP-230B provides 3 slots. Both stand 3 RU high and support cost-effective, scalable deployment with field-replaceable power supplies and flexible remote control interfaces. Compatibility & Integration The modular platform accepts a broad portfolio of test modules, enabling mixed-application deployments. All interfaces USB, GPIB, Ethernet - support remote automation and integration into automated test environments.

**MODEL****JDSU / Viavi MAP-280 / MAP-200****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****MAP-280 / MAP-200****LISTING**<https://aumictechlabs.com/products/map-280-map-200-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDSU/Viavi MAP-280/MAP-200 Series Benchtop Mainframe Controller is a modular platform for optical test and measurement in laboratory and manufacturing environments. It manages interchangeable test modules to deliver optical, transport, and data communication testing across network infrastructure and optical transmission element development. The MAP-280 houses 8

slots; the MAP-230B provides 3 slots. Both stand 3 RU high and support cost-effective, scalable deployment with field-replaceable power supplies and flexible remote control interfaces.

Technical Specifications

Mainframe Options

MAP-280: 8-slot configuration, 49.6 × 14.9 × 42.0 cm, 6.8 kg

MAP-230B: 3-slot configuration, 29.2 × 14.9 × 42.0 cm, 5.9 kg

Standard or factory-reversed fiber routing available on MAP-280

Power Input: 100 to 200 V AC, 50/60 Hz, auto-switching

Consumption: 285 VA

Supply voltage fluctuation tolerance: ±10% nominal

Field-replaceable power supply controller module

Remote Interfaces

USB: 2 rear, 2 front ports (keyboard, mouse, memory stick compatible)

GPIB: 1 rear port

LAN: 1 front, LXI-compliant Ethernet (10/100/1000Base-T)

LXI Triggers: 25-pin Micro-D connectors

DVI: Video output for external display

Environment

Operating: 0 to 50°C

Storage: -30 to 60°C

Humidity: 15–80% RH, 0 to 40°C noncondensing

Altitude certified: 2,000 m

Key Features

Modular architecture supports interchangeable modules: signal conditioning, switching, sources, amplifiers, power meters

Bench-top rubber feet with vibration isolation included; optional rack-mount kits available

Optional MAP-200KD keypad/display module with scroll wheel, seven soft keys, five navigation buttons, seven pre-assigned GUI buttons

Broad module compatibility within dense, configurable framework

Typical Applications

Insertion loss and dispersion penalty testing

Optical transmission network element manufacturing

Service and infrastructure testing across network layers

Compatibility & Integration

The modular platform accepts a broad portfolio of test modules, enabling mixed-application deployments. All interfaces USB, GPIB, Ethernet - support remote automation and integration into automated test environments.

Features & description

From manufacturer datasheet

Features

- 8 module slots (vs 3 on MAP-230/MAP-230B)
- PowerPC CPU; Linux OS; 200 MB user flash
- Remote USB, GPIB, Ethernet 10/100/1000Base-T
- USB host ports (2 front + 2 rear); USB device port; DVI; LXI triggers
- Local key interlock and rear remote interlock terminals
- Field-replaceable controller and power supply
- Rack-mount kit included; 3 RU height
- IVI-compliant drivers; multi-user sharing

MAP280MAP200 Characteristics / Specifications

PARAMETER	VALUE
Model	MAP-280
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	Optical test mainframe controller
Platform	MAP-200 Multiple Application Platform
Alias	MAP-280; JDSU MAP-280; VIAVI MAP-280; MAP280
Module capacity	8
Related reversed model	MAP-280R (8 slots, rear-facing)
CPU architecture	PowerPC
Operating system	Linux
Internal storage	200 MB user flash
Remote interfaces	USB; GPIB; Ethernet 10/100/1000Base-T
USB host ports	2 rear and 2 front
USB device ports	1 front
LAN ports	1 rear
GPIB ports	1 rear
DVI video	1 rear
LXI triggers	25-pin Micro-D
Driver type	IVI-compliant
Power	100 to 240 V AC class (datasheet also lists 100 to 200 V AC auto-switching), 50/60 Hz
Power consumption	285 VA
Local interlock	Key on front
Remote interlock	Rear terminals
Dimensions (WxHxD)	49.6 × 14.9 × 42.0 cm
Height class	3 RU
Weight	6.8 kg (15 lb)

PARAMETER	VALUE
Operating temperature	0 to 50 C
Storage temperature	-30 to 60 C
Humidity	15 to 80% RH, 0 to 40 C non-condensing
Altitude certification	2000 m Notes Specs from JDSU/VIAVI MAP-200 family data sheets (MAP-280 column). Confirm MAP-280 vs MAP-280R faceplate and which controller (MAP-200A02) and modules are installed. Listing is typically mainframe/controller focused.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	30 to 60 C
Operating temperature	0 to 50 C
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Humidity	15 to 80% RH, 0 to 40 C non-condensing
Altitude certification	2000 m Notes Specs from JDSU/VIAVI MAP-200 family data sheets (MAP-280 column). Confirm MAP-280 vs MAP-280R faceplate and which controller (MAP-200A02) and modules are installed. Listing is typically mainframe/controller focused.

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	MAP-280
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	Optical test mainframe controller
Platform	MAP-200 Multiple Application Platform
Alias	MAP-280; JDSU MAP-280; VIAVI MAP-280; MAP280
Module capacity	8
Related reversed model	MAP-280R (8 slots, rear-facing)
Related 3-slot model: MAP-230 / MAP-230B	
Specifications	
PARAMETER	VALUE
CPU architecture	PowerPC
Operating system	Linux
Internal storage	200 MB user flash
Remote interfaces	USB; GPIB; Ethernet 10/100/1000Base-T
USB host ports	2 rear and 2 front
USB device ports	1 front
LAN ports	1 rear
GPIB ports	1 rear
DVI video	1 rear
LXI triggers	25-pin Micro-D
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Notes
Specs from JDSU/VIAVI MAP-200 family data sheets (MAP-280 column). Confirm MAP-280 vs MAP-280R faceplate and which controller (MAP-200A02) and modules are installed. Listing is typically mainframe/controller focused.

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.