

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

JDSU

JDSU VA4 Optical Attenuator FOR PARTS

JDSU VA4 Series Manual Variable Optical Attenuator The JDSU VA4 Series is a compact portable manual variable optical attenuator for field and laboratory optical power control. Continuously variable attenuation reaches up to 65 dB (wavelength-dependent), set from the front panel at 0.1 dB display resolution using an ultra-linear attenuator prism and microlens optics. Unlike programmable attenuators, the attenuation setting is retained through power cycles. SM and MM fiber configurations and calibrated wavelength pairs are selected by ordering code. The JDSU VA4 Series is a compact portable manual variable optical attenuator for field and laboratory optical power control. Continuously variable attenuation reaches up to 65 dB (wavelength-dependent), set from the front panel at 0.1 dB display resolution using an ultra-linear attenuator prism and microlens optics. Unlike programmable attenuators, the attenuation setting is retained through power cycles. SM and MM fiber configurations and calibrated wavelength pairs are selected by ordering code. Field system optical power pad-down; lab absolute/relative power control; connectorized SM/MM path attenuation for 830/1300 or 1300/1550 nm calibrated bands; temporary optical budget adjustment.



MODEL

JDSU VA4

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

VA4

LISTING

<https://aumictechlabs.com/products/va4-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDSU VA4 is a manual variable optical attenuator for precision control of optical signal levels across a wide dynamic range. Sold as-is for parts or repair, this instrument serves users

performing component harvesting, lab experimentation, or restoration work. The VA4 delivers attenuation control via front-panel adjustment with 0.1 dB resolution and maintains attenuation settings independent of power cycling - a key advantage over programmable alternatives.

Technical Specifications
Attenuation Range: Up to 65 dB
Resolution: 0.1 dB
Calibration Wavelengths: 830 nm / 1300 nm or 1300 nm / 1550 nm
Return Loss: Greater than 60 dB
Insertion Loss: Low (values not detailed for as-is unit)
Optical Technology: JDS Uniphase ultra-linear attenuator prism and microlens technology

Key Features
Manual attenuation control from front panel
Large-scale LCD readout for attenuation level display
9V lithium battery power for portable, handheld operation
Low Battery indicator alerts user when replacement required
Attenuation level maintained through power cycles
Rear panel-mounted connector bulkheads
All major connector types supported; Universal Connector Adapter (UCA) available
Compact, portable design

Typical Applications
Optical power control in test and measurement
Receiver sensitivity testing
Field system validation
Power meter linearity verification
Lab-based optical experimentation
Component harvesting and repair

Compatibility & Integration
The VA4 accepts all major optical connector types. Universal Connector Adapter accessories enable integration with non-standard interfaces. Dual calibration wavelength pairs (830/1300 nm or 1300/1550 nm) support multiband optical networks and legacy systems.

Features & description

From manufacturer datasheet

Features

- Manual continuous attenuation to 65/60 dB class (1300/1550 nm) or 50/40 dB (830/1300 nm) • 0.1 dB display resolution; +/-0.5 dB attenuation accuracy; +/-0.1 dB repeatability • Ultra-linear prism + microlens technology; low IL and high RL options • Attenuation retained when power is off • Battery-powered portable instrument (family literature) • SM and MM fiber configurations; bulkhead or pigtail connector options by ordering code • Recommended calibration period 2 years

Polarization dependent loss: ≤ 0.1 dB

Maximum optical input power: 200 mW Calibrated wavelength sets: 830/1300 nm or 1300/1550 nm (configuration) Recommended calibration period: 2 years Battery lifetime class: <6000 hours (family literature) Control type: Manual front-panel; non-volatile attenuation setting Form: Portable benchtop / field instrument Fiber options: Single-mode or multimode (ordering code) Notes Specs from JDSU VA4 product literature/reseller OEM tables. Confirm exact ordering code (fiber, wavelengths, connectors, RL option) on the faceplate; individual units may be incomplete when sold for parts.

VA4 Characteristics / Specifications

PARAMETER	VALUE
Model	VA4 (series)
Manufacturer	JDS Uniphase (JDSU / JDS Fitel)
Instrument Type	Manual variable optical attenuator
Alias	VA4; JDSU VA4; VA4 Series
Attenuation range 1300/1550 nm	65 / 60 dB
Attenuation range 830/1300 nm	50 / 40 dB
Display resolution	0.1 dB
Attenuation accuracy	+/-0.5 dB
Repeatability	+/-0.1 dB
Maximum insertion loss SM 1300/1550 nm	<=3.0 dB
Maximum insertion loss SM 830/1300 nm	<=7.0 dB
Maximum insertion loss MM 50/125 1300/1550 nm	<=3.2 dB
Maximum insertion loss MM 50/125 830/1300 nm	<=4.2 dB
Return loss SM analog	>60 dB (family table)
Return loss MM 50/1	>35 dB class
Polarization dependent loss	<=0.1 dB
Maximum optical input power	200 mW
Calibrated wavelength sets	830/1300 nm or 1300/1550 nm (configuration)
Recommended calibration period	2 years
Battery lifetime class	<6000 hours (family literature)
Control type	Manual front-panel; non-volatile attenuation setting
Form	Portable benchtop / field instrument
Fiber options	Single-mode or multimode (ordering code) Notes Specs from JDSU VA4 product literature/reseller OEM tables. Confirm exact ordering

PARAMETER	VALUE
	code (fiber, wavelengths, connectors, RL option) on the faceplate; individual units may be incomplete when sold for parts.
Attenuation	reaches up to 65 dB (wavelength-dependent), set from the front panel at 0.1 dB display resolution using an ultra-linear attenuator prism and microlens optics. Unlike programmable attenuators, the attenuation setting is retained through power cycles.
Return loss	SM analog: >60 dB (family table)

VA4 Specifications

PARAMETER	VALUE
JDSU VA4 Series Manual Variable Optical Attenuator	Overview
Key Features	- Manual continuous attenuation to 65/60 dB class (1300/1550 nm) or 50/40 dB (830/1300 nm)
Technical Specifications	Model: VA4 (series)

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	VA4 (series)
Manufacturer	JDS Uniphase (JDSU / JDS Fitel)
Instrument Type	Manual variable optical attenuator
Alias	VA4; JDSU VA4; VA4 Series
Attenuation range 1300/1550 nm	65 / 60 dB
Attenuation range 830/1300 nm	50 / 40 dB
Display resolution	0.1 dB
Attenuation accuracy	+/-0.5 dB
Repeatability	+/-0.1 dB
Maximum insertion loss SM 1300/1550 nm	<=3.0 dB
Maximum insertion loss SM 830/1300 nm	<=7.0 dB
Maximum insertion loss MM 50/125 1300/1550 nm	<=3.2 dB
Maximum insertion loss MM 50/125 830/1300 nm	<=4.2 dB
Return loss SM analog	>60 dB (family table)
Return loss MM 50/125	>35 dB class
Polarization dependent loss	<=0.1 dB
Maximum optical input power	200 mW
Calibrated wavelength sets	830/1300 nm or 1300/1550 nm (configuration)
Recommended calibration period	2 years
Battery lifetime class	<6000 hours (family literature)
Control type	Manual front-panel; non-volatile attenuation setting
Form	Portable benchtop / field instrument
Fiber options	Single-mode or multimode (ordering code)

Notes

Specs from JDSU VA4 product literature/reseller OEM tables. Confirm exact ordering code (fiber, wavelengths, connectors, RL option) on the faceplate; individual units may be incomplete when sold for parts.

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

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

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

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