

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

JDS UNIPHASE

JDS Uniphase HA9

Remote Interfaces: GPIB IEEE-488 and RS-232 Command Set: SCPI / HP8156A compatible class Optional Coupler Codes: 50/50 10/90 30/70 2/98 Primary HA9 family sheet from JDS HA series OEM tables. JDS Uniphase HA9 Programmable Optical Attenuator The JDS Fitel / JDS Uniphase HA9 is an extended-range programmable optical attenuator with 100 dB attenuation range and 0.01 dB resolution over 1200 to 1700 nm. OEM HA series specification tables list GPIB/RS-232 SCPI control, beam-block isolation greater than 90 dB, and optional couplers or 1:2 switches for laboratory and ATE power control. Power meter linearity calibration, absolute optical power control into DUTs, analog CATV AM tests, BER testing, and EDFA output power characterization.



MODEL JDS Uniphase HA9	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU HA9	LISTING https://aumictechlabs.com/products/ha9-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase HA9 is an extended-range programmable optical attenuator delivering 100 dB of attenuation with 0.01 dB resolution and ± 0.1 dB accuracy across the 1200–1700 nm band. Built for precision optical signal control in test, measurement, and laboratory environments, It has 0.01 dB repeatability, low insertion loss, and exceptional backreflection performance. The unit accepts SCPI/HP8156A commands via GPIB, RS232, and front-panel keyboard control, with optional integrated couplers and optical switches for expanded configuration flexibility. Technical Specifications Attenuation Range: 100 dB Resolution: 0.01 dB Accuracy: ± 0.1 dB Repeatability: 0.01

dB Wavelength Range: 1200–1700 nm (standard); 750–1700 nm optional with 60 dB attenuation range Insertion Loss: <1.5 dB (1280–1375 nm); <2 dB (850–1600 nm) Backreflection: ≤ 60 dB Polarization Dependent Loss: 0.03 dB typical Maximum Input Power: 200 mW Fiber Type: Singlemode 9/125 μm Low spectral ripple suitable for CATV AM systems Key Features Front-panel keyboard and remote GPIB/RS232 interfaces for stand-alone or system integration 5V driver key for external or internal switch control SC/PC and SC/APC connector options Optional 2/98, 10/90, 30/70, or 50/50 couplers for output monitoring Optional 1:2 optical fiber switch (SW12) for dual input/output access Class 1 instrument with protective earth grounding Typical Applications Optical power meter calibration, signal conditioning in fiber optic test systems, extended-range attenuation control for laboratory measurements, and network signal management. Compatibility & Integration SCPI/HP8156A command compatibility enables integration into automated test environments. GPIB and RS232 interfaces support both standalone operation and networked instrument control. Optional integrated couplers and switches eliminate the need for external optical components.

Features & description

From manufacturer datasheet

Built-in beam block greater than 90 dB

GPIB and RS-232 SCPI remote control Optional couplers and 1:2 switch Technical Specifications
Instrument Family: JDS Uniphase HA9 Operating Wavelength Range: 1200 to 1700 nm Attenuation
Range: 100 dB Attenuation Resolution: 0.01 dB Attenuation Repeatability: plus or minus 0.01 dB
Attenuation Change Rate 0 To 100 dB: less than 2.5 s Attenuation Accuracy: plus or minus 0.1 dB
Insertion Loss Single-Mode: less than 1.5 dB (excludes connectors switch coupler) Insertion Loss
Multimode 50/125: less than 2.2 dB Insertion Loss Multimode Other: less than 2.9 dB Return Loss SM
Standard: greater than 45 dB Return Loss SM Analog Option: greater than 60 dB Return Loss MM
50/125: greater than 35 dB Return Loss MM Other: greater than 30 dB

Polarization Dependent Loss Maximum: 0.08 dB

Beam Block Isolation: greater than 90 dB Maximum Optical Input Power: 200 mW Wavelength
Dependence 0 To 20 dB Attenuation HA2 Class Reference: plus or minus 0.05 dB (1530-1625 nm table)
AC Input: 90 to 240 Vac 50 to 60 Hz Power Consumption Maximum: 80 VA DimensionsWxHxDClass:
21.2 × 8.9 × 35.5 cm half-rack class Weight Class: about 3.75 to 4 kg Operating Temperature: 0 to 40 C
Storage Temperature: minus 40 to 60 C Remote Interfaces: GPIB IEEE-488 and RS-232 Command Set:
SCPI / HP8156A compatible class Optional Coupler Codes: 50/50 10/90 30/70 2/98 Optional Switch: 1:2
SW12 Notes Primary HA9 family sheet from JDS HA series OEM tables.

HA9 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	JDS Uniphase HA9
Operating Wavelength Range	1200 to 1700 nm
Attenuation Range	100 dB
Attenuation Resolution	0.01 dB
Attenuation Repeatability	plus or minus 0.01 dB
Attenuation Change Rate 0 To 100 dB	less than 2.5 s
Attenuation Accuracy	plus or minus 0.1 dB
Insertion Loss Multimode 50/1	less than 2.2 dB
Insertion Loss Multimode Other	less than 2.9 dB
Return Loss SM Standard	greater than 45 dB
Return Loss SM Analog Option	greater than 60 dB
Return Loss MM 50/1	greater than 35 dB
Return Loss MM Other	greater than 30 dB
Polarization Dependent Loss Maximum	0.08 dB
Beam Block Isolation	greater than 90 dB
Maximum Optical Input Power	200 mW
Wavelength Dependence 0 To 20 dB Attenuation HA2 Class Reference	plus or minus 0.05 dB (1530-1625 nm table)
AC Input	90 to 240 Vac 50 to 60 Hz
Power Consumption Maximum	80 VA
DimensionsWxHxDClass	21.2 × 8.9 × 35.5 cm half-rack class
Weight Class	about 3.75 to 4 kg
Operating Temperature	0 to 40 C
Storage Temperature	minus 40 to 60 C
Remote Interfaces	GPIB IEEE-488 and RS-232
Command Set	SCPI / HP8156A compatible class

PARAMETER	VALUE
Wavelength range	1200 to 1700 nm
Attenuation	Range: 100 dB
Return loss	SM Standard: greater than 45 dB

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 to 60 C
Operating temperature	0 to 40 C
Operating Temperature	0 to 40 C
Remote Interfaces	GPIB IEEE-488 and RS-232
Command Set	SCPI / HP8156A compatible class

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
Instrument Family	JDS Uniphase HA9
Operating Wavelength Range	1200 to 1700 nm
Attenuation Range	100 dB
Attenuation Resolution	0.01 dB
Attenuation Repeatability	plus or minus 0.01 dB
Attenuation Change Rate 0 To 100 dB	less than 2.5 s
Attenuation Accuracy	plus or minus 0.1 dB
Insertion Loss Single-Mode: less than 1.5 dB (excludes connectors switch coupler)	
Specifications	
PARAMETER	VALUE
Insertion Loss Multimode 50/125	less than 2.2 dB
Insertion Loss Multimode Other	less than 2.9 dB
Return Loss SM Standard	greater than 45 dB
Return Loss SM Analog Option	greater than 60 dB
Return Loss MM 50/125	greater than 35 dB
Return Loss MM Other	greater than 30 dB
Polarization Dependent Loss Maximum	0.08 dB
Beam Block Isolation	greater than 90 dB
Maximum Optical Input Power	200 mW
Wavelength Dependence 0 To 20 dB Attenuation HA2 Class Reference: plus or minus 0.05 dB (1530-1625 nm table)	
Specifications	
PARAMETER	VALUE
AC Input	90 to 240 Vac 50 to 60 Hz
Power Consumption Maximum	80 VA
DimensionsWxHxDClass	21.2 x 8.9 x 35.5 cm half-rack class

PARAMETER	VALUE
Weight Class	about 3.75 to 4 kg
Operating Temperature	0 to 40 C
Storage Temperature	minus 40 to 60 C
Remote Interfaces	GPIB IEEE-488 and RS-232
Command Set	SCPI / HP8156A compatible class

Optional Coupler Codes: 50/50 10/90 30/70 2/98

Optional Switch: 1:2 SW12

Notes

Primary HA9 family sheet from JDS HA series OEM tables.

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 14, 2026

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