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Data Sheet

August 8, 2026

JDS UNIPHASE/JDSU

JDS Uniphase JDSU HA9 HA97E+10KSU1 Programmable Attenuator

The JDS Uniphase JDSU HA9 HA97E+10KSU1 is a programmable optical attenuator delivering precise, remote-controlled attenuation across a 100 dB range with 0.01 dB resolution. Built for laboratory testing, calibration, and R&D environments in optical communications, this singlemode device combines high accuracy (± 0.1 dB) with exceptional repeatability (± 0.005 dB typical) and fast switching times. SCPI/HP8156A command compatibility and dual remote interfaces enable seamless integration into automated test systems. Compatibility & Integration The HA9 series accepts optional couplers (2/98, 10/90, 30/70, 50/50) or a 1:2 fiber switch for output tapping or dual-input configurations. Extended-wavelength variants (HA9W) operate across 750–1700 nm with a 60 dB attenuation range. Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase/JDSU HA97E+10KSU1/HA9. Calibration covers a

**MODEL****JDS Uniphase/JDSU
HA97E+10KSU1/HA9****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****HA97E+10KSU1/HA9****LISTING**<https://aumictechlabs.com/products/ha97e-10ksu1-ha9-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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device combines high accuracy (± 0.1 dB) with exceptional repeatability (± 0.005 dB typical) and fast switching times. SCPI/HP8156A command compatibility and dual remote interfaces enable seamless integration into automated test systems.

Technical Specifications

Attenuation Performance

Range: 100 dB Resolution: 0.01 dB Accuracy: ± 0.1 dB Repeatability: ± 0.005 dB typical; ± 0.01 dB maximum Switching speed: 110 dB Beam block speed: < 20 ms

Optical Characteristics

Fiber type: Singlemode 9/125 μm Wavelength range: 1200–1700 nm Insertion loss: 2.5 dB (including connectors) Return loss: 45 dB Polarization dependent loss: 0.03 dB typical; 0.08 dB maximum Maximum optical input power: 200 mW

Control Interface

Command set: SCPI/HP8156A compatible Remote control: GPIB (IEEE 488.2), RS232 Front panel: Keypad control

Physical Connector: SC/APC bulkhead

Dimensions: 14 × 9 × 4 inches Weight: 11 lbs

Key Features

- Sub-0.01 dB resolution enables fine-grain optical signal manipulation
- Exceptional repeatability (± 0.005 dB) ensures consistent calibration across test cycles
- Dual remote interfaces support both legacy and modern control architectures
- Fast attenuation transitions support high-speed automated testing protocols

Typical Applications

- Optical component characterization and validation
- Power level calibration in singlemode fiber systems
- Dynamic optical signal conditioning in test racks
- Automated measurement routines requiring deterministic attenuation steps

Compatibility & Integration

The HA9 series accepts optional couplers (2/98, 10/90, 30/70, 50/50) or a 1:2 fiber switch for output tapping or dual-input configurations. Extended-wavelength variants (HA9W) operate across 750–1700 nm with a 60 dB attenuation range.

Features & description

From manufacturer datasheet

Features

- Wavelength: 1200–1700 nm; fiber SM 9/125 μm
- Attenuation: 100 dB; resolution 0.01 dB
- Accuracy ± 0.1 dB; repeatability ± 0.01 dB; change < 2.5 s (0–100 dB)
- IL SM: < 1.5 dB class; RL standard (K) > 45 dB
- Max input: 200 mW; PDL 0.03 dB typ / 0.08 dB max
- Beam block > 90 –110 dB; GPIB + RS-232; SCPI/HP 8156A
- Config: option 0 (none); SU SC/APC; port type 1 front bulkheads

HA97E10KSU1HA9 Characteristics / Specifications

PARAMETER	VALUE
Model	HA9 / HA97E+10KSU1
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator
Family	HA9 / HA97E
Alias	HA97E+10KSU1; HA9 HA97E+10KSU1 Optical 1200–1700 nm SM; 100 dB; 0.01 dB; SC/APC front Operational Notes Prefer JDS HA Series specifications. Decode exact HA97E faceplate options before critical measurements.
Wavelength	1200–1700 nm; fiber SM 9/125 μm
Attenuation	100 dB; resolution 0.01 dB
IL SM	<1.5 dB class; RL standard (K) >45 dB
Max input	200 mW; PDL 0.03 dB typ / 0.08 dB max
Config	option 0 (none); SU SC/APC; port type 1 front bulkheads
Return loss	(K), SC/APC connectors (SU), front bulkheads (1). HA97E denotes the HA9 E-series variant in the same performance class.

HA97E10KSU1HA9 Specifications

PARAMETER	VALUE
Key Features	- Wavelength: 1200–1700 nm; fiber SM 9/125 μm
Technical Specifications	Model: HA9 / HA97E+10KSU1
Optical	1200–1700 nm SM; 100 dB; 0.01 dB; SC/APC front
Operational Notes	Prefer JDS HA Series specifications. Decode exact HA97E faceplate options before critical measurements.

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 class.

Applications

SM power-meter calibration; absolute optical power control; high-bit-rate PCM / AM fiber test.

Key Features

- Wavelength: 1200–1700 nm; fiber SM 9/125 μ m
- Attenuation: 100 dB; resolution 0.01 dB
- Accuracy $\pm$ 0.1 dB; repeatability $\pm$ 0.01 dB; change <2.5 s (0–100 dB)
- IL SM: <1.5 dB class; RL standard (K) >45 dB
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Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	Programmable Optical Attenuator
Family	HA9 / HA97E
Alias	HA97E+10KSU1; HA9 HA97E+10KSU1

Optical

1200–1700 nm SM; 100 dB; 0.01 dB; SC/APC front

Operational Notes

Prefer JDS HA Series specifications. Decode exact HA97E faceplate options before critical measurements.

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.