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Data Sheet

August 13, 2026

ANDO

Ando AQ 8202-32p Attn module FC/LC

Ando AQ 8202-32p Attn module FC/LC, Precision optical attenuator module with FC/LC connectors. Designed for integration with Ando test mainframes, it provides stable and repeatable attenuation for fiber optic signal calibration and system performance testing.

**MODEL****Ando AQ 8202-32p****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****AQ 8202-32p****LISTING**<https://aumictechlabs.com/products/aq-8202-32p-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ 8202-32p is a precision optical attenuator module designed for integration into Ando test mainframes. It delivers stable, repeatable attenuation across a wide wavelength band, enabling accurate fiber optic signal calibration and component characterization in telecommunications and R&D laboratories.

Technical Specifications

Model: AQ 8202-32p
Wavelength Range: 1280–1620 nm
Maximum Attenuation: 30 dB
Attenuation Step Resolution: 0.1 dB
Optical Return Loss: ≥ 30 dB (1310–1550 nm)
Maximum Input Power: +20 dBm
Connector Type: FC/PC

Key Features

Fine-grain attenuation control in 0.1 dB increments enables precise signal level adjustment across the C and L bands. High return loss specification ensures minimal signal reflections and measurement integrity. The module accepts input signals up to +20 dBm, accommodating moderate-power optical sources without degradation.

Typical Applications

Fiber optic signal calibration and validation
DWDM component evaluation (MUX, DEMUX, AWG, EDFA)
Optical system performance testing
Signal loss simulation in telecommunications networks

Laboratory characterization of optical subsystemsCompatibility & Integration The AQ 8202-32p integrates with Ando AQ8202, AQ8203, and AQ8204 mainframes as part of the AQ8200 Series modular optical test platform. This architecture supports mixed module configurations including light sources, power meters, and optical switches, enabling flexible multi-parameter test setups.

Features & description

From manufacturer datasheet

Features

- Singlemode attenuator for AQ8202/03/04 platforms
- Wavelength window 1280 to 1620 nm
- Maximum attenuation 30 dB with 0.1 dB minimum step
- Optical return loss 30 dB or more at 1310 to 1550 nm
- Maximum input power +20 dBm
- FC/PC optical connectors

Applications

- Level setting for optical amplifier and WDM device test
- Optical path attenuation in AQ8200 modular racks
- Production and R&D fiber attenuation control 1280 to 1620 nm
- Pairing with AQ8201-series sources and power meters

AQ820232P Characteristics / Specifications

PARAMETER	VALUE
Model	AQ8202-32P
Manufacturer	Ando / Yokogawa
Instrument Type	Singlemode Optical Attenuator Module
Alias	AQ8202-32P; Ando AQ8202-32P; AQ8201-32P related ATTN family
Wavelength range	1280 to 1620 nm
Maximum attenuation	30 dB
Minimum attenuation step	0.1 dB
Optical return loss 1310 to 1550 nm	30 dB or more
Maximum input power	+20 dBm
Fiber type	singlemode 9/125 um
Optical connector	FC/PC
Host frames	AQ8202 AQ8203 AQ8204
Related ATTN family	AQ8201 32 series
Family wavelength range reference	1200 to 1600 nm
Family maximum attenuation reference	60 dB
Family minimum step reference	0.01 dB
Family insertion loss 1310 and 15	2.5 dB or less
Family attenuation deviation reference	within plus or minus 0.1 dB
Family repeatability reference	within plus or minus 0.02 dB
Family PDL typical at 1550 nm	0.05 dB peak to peak
Family shutter isolation reference	100 dB or more
Family max input reference	+23 dBm
Module mass typical ATTN plugin	about 1 kg
Module dimensions typical ATTN	about 39.5 × 130 × 339 mm
Operating temperature host system	5 to 40 C

PARAMETER	VALUE
Storage temperature host system	0 to 50 C
Humidity host system	85 percent RH or less no condensation
Remote path	via host GPIB IEEE 488.2
Slot width typical ATTN	1 slot
Applicable fiber type	SM 9/125 um
Connector polish	FC/PC
Platform series	AQ8200 modular optical test
Attenuation control	programmable via host controller Notes AQ8202-32P numeric limits from reseller listings for the 32P module (30 dB / 0.1 dB / +20 dBm / 1280–1620 nm). Cross-reference rows cite Ando AQ8201-32 ATTN datasheet for related family behavior; confirm faceplate marking 32P vs 32 and exact attenuation range on the installed module.
Optical Return Loss	30 dB or more at 1310 to 1550 nm - Maximum input power +20 dBm - FC/PC optical connectors
Attenuation	across the 1280 to 1620 nm window for EDFA, WDM component, and transmission-link level control with FC/PC connectors.
Storage temperature	host system: 0 to 50 C
Operating temperature	host system: 5 to 40 C
Humidity	host system: 85 percent RH or less no condensation
Return loss	30 dB or more at 1310 to 1550 nm - Maximum input power +20 dBm - FC/PC optical connectors

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	host system: 0 to 50 C
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Operating temperature host system	5 to 40 C
Storage temperature host system	0 to 50 C
Humidity host system	85 percent RH or less no condensation
Remote path	via host GPIB IEEE 488.2
Slot width typical ATTN	1 slot
Applicable fiber type	SM 9/125 um
Connector polish	FC/PC
Platform series	AQ8200 modular optical test
Attenuation control	programmable via host controller Notes AQ8202-32P numeric limits from reseller listings for the 32P module (30 dB / 0.1 dB / +20 dBm / 1280–1620 nm). Cross-reference rows cite Ando AQ8201-32 ATTN datasheet for related family behavior; confirm faceplate marking 32P vs 32 and exact attenuation range on the installed module.

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	
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Slot width typical ATTN	1 slot
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Attenuation control	programmable via host controller

Notes
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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.