

**Aumictech**

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Data Sheet

August 15, 2026

INO

INO FAD-180

The INO FAD-180 is a benchtop Erbium-Doped Fiber Amplifier (EDFA) engineered for C-Band optical signal amplification in fiber optic communication systems. This unit delivers high gain and output power with low noise characteristics, making it suitable for laboratory testing, DWDM deployments, and telecommunications infrastructure where stable signal boosting is critical. Gain locking option available - stabilizes gain between 20 dB and 30 dB across input power variations up to 12 dB, preserving DWDM channel integrity despite fluctuating pump or input conditions. Aumictech offers NIST-traceable calibration and repair for the INO FAD-180. Calibration covers gain at rated input power across the specified wavelength range, noise figure at rated gain setting, output power accuracy, gain flatness across the C-band or specified wavelength range, and polarization-dependent gain (PDG) where appl



MODEL

INO FAD-180

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FAD-180

LISTING

<https://aumictechlabs.com/products/fad-180-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The INO FAD-180 is a benchtop Erbium-Doped Fiber Amplifier (EDFA) engineered for C-Band optical signal amplification in fiber optic communication systems. This unit delivers high gain and output power with low noise characteristics, making it suitable for laboratory testing, DWDM deployments, and telecommunications infrastructure where stable signal boosting is critical. Technical Specifications Product Type: Erbium-Doped Fiber Amplifier (EDFA) Operating Band: C-

Band Form Factor: Benchtop unit Pump Wavelength: 980 nm Control Interface: GPIB/RS-232 port Signal Monitoring: I/O signal monitoring capabilities Key Features Low noise figure for high-fidelity signal recovery High gain and output power delivery Gain flattening to manage spectral response across C-Band channels Gain locking option available - stabilizes gain between 20 dB and 30 dB across input power variations up to 12 dB, preserving DWDM channel integrity despite fluctuating pump or input conditions Typical Applications DWDM (Dense Wavelength Division Multiplexing) systems Multi-channel fiber optic communication networks Laboratory signal amplification and testing Enterprise and telecommunications infrastructure Compatibility & Integration The FAD-180 operates across C-Band wavelengths and integrates with standard optical fiber systems. GPIB and RS-232 control interfaces enable automated gain management and remote monitoring in test and production environments.

FAD180 Characteristics / Specifications

PARAMETER	VALUE
Model	FAD-180
Instrument Type	C-band erbium doped fiber amplifier
Manufacturer	INO
Literature	remaining-queue listing INO FAD-180
Family	INO FAD C-band EDFA family (FAD-180 / FAD-183 listings)
Form Factor	as installed per drawing
System Role	1550 nm class optical amplification in telecom and lab fiber plants that specify FAD-180
Brand Lineage	INO
Queue Title	INO FAD-180
Documentation Type	OEM remaining-queue listing
Use Case	1550 nm class optical amplification in telecom and lab fiber plants that specify FAD-180
Vendor Path	INO
Year Class	FAD-180 generation
Application Class	C-band erbium doped fiber amplifier
Module Class	C-band erbium doped fiber amplifier
Host Class	host on the drawing
Connector Class	connectors on the drawing
Ate Class	industrial / lab ATE class
Control Class	front panel / firmware on the drawing
Environment Class	ambient on the nameplate
Voltage Class	volts on the nameplate
Current Class	amperes on the nameplate
Config	FAD-180 remaining-queue suffix
Function Class	function on the drawing

PARAMETER	VALUE
Wavelength Class	C-band 1550 nm EDFA listings
Optical Function	erbium doped fiber amplifier
Related Family	INO FAF-50 / FAF-53 benchtop EDFA listings as family context

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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Notes

From remaining-queue title (INO FAD-180) and INO FAD C-band EDFA listings. Gain, output power, and NF are on the FAD-180 faceplate.

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.