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Data Sheet

August 14, 2026

ANDO

Ando AQ5521 Optical Monitor

The Ando AQ5521 is an optical spectrum analyzer for telecom spectral measurements in the Ando AQ55xx family. OEM documentation lists diffraction-grating OSA architecture, selectable resolution bandwidth, and calibrated optical level measurements for DWDM and laser characterization. DWDM channel analysis, laser diode spectra, and optical component spectral qualification. Instrument Type: Diffraction grating optical spectrum analyzer Wavelength Range Class: Telecom OSA coverage class per AQ5521 datasheet DWDM channel analysis, laser diode spectra, and optical component spectral qualification. Instrument Type: Diffraction grating optical spectrum analyzer Wavelength Range Class: Telecom OSA coverage class per AQ5521 datasheet Wavelength Accuracy Class: High accuracy OSA class



MODEL

Ando AQ5521

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ5521

LISTING

<https://aumictechlabs.com/products/aq5521-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ5521 is an Optical Time Domain Reflectometer (OTDR) for testing, troubleshooting, and fault location in fiber optic networks. Engineered for both field and laboratory deployment, this optical monitor delivers accurate measurements essential for fiber optic network analysis and optimization. Technical Specifications Model Variants: AQ5521 / AQ5521B Product Type: Optical Time Domain Reflectometer (OTDR) Bit Rate (AQ5521B): 622.08 MB/s Operating Environment: Field and laboratory use Key Features Fiber event detection and fault location capability Integrated memory for measurement data storage User-friendly interface with display and control elements

Dual-power operation: mains and battery power for portable field measurements
Data export functionality via USB connectivity
Event mapping for graphical fiber event representation
Automatic measurement mode for simplified testing workflows
Multi-language user interface support
Typical Applications
Installation verification and acceptance testing of fiber optic networks
Cable fault diagnosis and localization
Network troubleshooting and performance optimization
Fiber span characterization and loss analysis
Preventive maintenance monitoring
Compatibility & Integration
The AQ5521 integrates with complementary optical test modules including Visual Fault Locators (VFL) for break pinpointing, Optical Light Source (OLS) functions, and Optical Power Meter (OPM) capabilities. USB connectivity enables data transfer and remote operation support. The instrument supports field and laboratory workflows with portable operation capability.

Features & description

From manufacturer datasheet

Polarization Dependence Class: Specified PDL related uncertainty class

Wavelength Repeatability Class: High repeatability tuning Level Linearity Class: Specified linearity

Operating Temperature Class: Standard lab Series Family: Ando AQ5521

AQ5521 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Diffraction grating optical spectrum analyzer
Wavelength Range Class	Telecom OSA coverage class per AQ5521 datasheet
Wavelength Accuracy Class	High accuracy OSA class
Resolution Bandwidth Class	Multiple RBW settings class
Dynamic Range Class	High dynamic range OSA class
Level Sensitivity Class	High sensitivity photodetector path
Level Accuracy Class	Calibrated optical level accuracy
Sweep Modes	Continuous and single sweep
Markers	Multi marker with wavelength level delta
Analysis Functions	Peak SMSR WDM class analysis
Input Connector Class	Fiber optic input with adapter
Remote Interface	GPIB
Display	OSA display class
Form Factor	Benchtop OSA
Polarization Dependence Class	Specified PDL related uncertainty class
Wavelength Repeatability Class	High repeatability tuning
Level Linearity Class	Specified linearity
Operating Temperature Class	Standard lab
Series Family	Ando AQ5521
Applications Class	DWDM and laser characterization
Calibration	Wavelength and level calibration support
Internal Memory	Trace save recall class
Wavelength range	Class: Telecom OSA coverage class per AQ5521 datasheet
Bandwidth	Class: Multiple RBW settings class
Wavelength repeatability	Class: High repeatability tuning

PARAMETER	VALUE
Operating temperature	Class: Standard lab

AQ5521 Specifications

PARAMETER	VALUE
Ando AQ5521 Optical Spectrum Analyzer	Overview
Technical Specifications	Instrument Type: Diffraction grating optical spectrum analyzer
Notes	From Ando AQ5521 OEM/family OSA documentation. Confirm exact wavelength span and RBW set on the unit datasheet.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
Operating Temperature	Class: Standard lab
Operating Temperature Class	Standard lab
Series Family	Ando AQ5521
Applications Class	DWDM and laser characterization
Calibration	Wavelength and level calibration support
Internal Memory	Trace save recall class Notes From Ando AQ5521 OEM/family OSA documentation. Confirm exact wavelength span and RBW set on the unit datasheet.

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	
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Internal Memory	Trace save recall class
Notes	
From Ando AQ5521 OEM/family OSA documentation. Confirm exact wavelength span and RBW set on the unit datasheet.	

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.