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Data Sheet

August 14, 2026

ANDO

Ando AQ5524B

The Ando AQ5524B isaB-suffix optical spectrum analyzer in the Ando AQ55xx family for high-performance telecom spectral measurements. OEM documentation lists diffraction-grating OSA architecture, fine resolution bandwidth, and high dynamic range for DWDM analysis.

DWDM channel analysis, laser diode spectra, and optical amplifier ASE measurements.

Instrument Type: Diffraction grating optical spectrum analyzer Wavelength Range Class:

Telecom OSA coverage class per AQ5524B datasheet DWDM channel analysis, laser diode

spectra, and optical amplifier ASE measurements. Instrument Type: Diffraction grating optical

spectrum analyzer Wavelength Range Class: Telecom OSA coverage class per AQ5524B

datasheet Wavelength Accuracy Class: High accuracy OSA class



MODEL

Ando AQ5524B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ5524B

LISTING

<https://aumictechlabs.com/products/aq5524b-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ5524B is an optical monitor that converts optical signals into electrical outputs for characterization and testing within optical communication systems. It operates at dual telecommunications wavelengths and delivers a high-speed electrical signal suitable for further analysis and measurement of optical signal parameters in telecommunications and data communication test environments. Technical Specifications Input Wavelengths: 1.3 µm and 1.55 µm Maximum Input Power: +3 dB Output Bit Rate: 2.4 GB/s Output Impedance: 50 ohm Key Features

Dual-wavelength operation at 1.3 μm and 1.55 μm for standard telecommunications bands High-speed electrical output at 2.4 GB/s supports real-time signal analysis 50 ohm output impedance ensures compatibility with standard test equipment and instrumentation Handles signals up to +3 dB input power Used units are fully operational with normal cosmetic wear

Typical Applications

Optical signal characterization in long-haul and metro telecommunications networks Real-time monitoring of optical communication system performance Signal parameter measurement during system validation and troubleshooting Integration into automated test systems for optical transceiver evaluation

Compatibility & Integration The AQ5524B accepts optical input at standard telecommunications wavelengths - 1.3 μm and 1.55 μm - and outputs a 2.4 GB/s electrical signal across a 50 ohm interface. This electrical output directly interfaces with standard oscilloscopes, bit-error-rate testers, and other 50 ohm measurement instruments commonly deployed in optical communication test labs.

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 AQ5524B

AQ5524B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Diffraction grating optical spectrum analyzer
Wavelength Range Class	Telecom OSA coverage class per AQ5524B datasheet
Wavelength Accuracy Class	High accuracy OSA class
Resolution Bandwidth Class	Fine RBW settings class
Dynamic Range Class	High dynamic range close in and wide span
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	SMSR WDM OSNR 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 AQ5524B
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 AQ5524B datasheet
Bandwidth	Class: Fine RBW settings class
Wavelength repeatability	Class: High repeatability tuning

PARAMETER	VALUE
Operating temperature	Class: Standard lab

AQ5524B Specifications

PARAMETER	VALUE
Ando AQ5524B Optical Spectrum Analyzer	Overview
Technical Specifications	Instrument Type: Diffraction grating optical spectrum analyzer
Notes	From Ando AQ5524B OEM/family OSA documentation. Confirm exact wavelength span, RBW set, and dynamic-range deltas 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 AQ5524B
Applications Class	DWDM and laser characterization
Calibration	Wavelength and level calibration support
Internal Memory	Trace save recall class Notes From Ando AQ5524B OEM/family OSA documentation. Confirm exact wavelength span, RBW set, and dynamic-range deltas 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.

performance telecom spectral measurements. OEM documentation lists diffraction-grating OSA architecture, fine resolution bandwidth, and high dynamic range for DWDM analysis.

Applications

DWDM channel analysis, laser diode spectra, and optical amplifier ASE measurements.

Key Features

Diffraction grating OSA engine

Fine resolution bandwidth settings

High dynamic range WDM analysis

GPIB remote control

Marker analysis functions

Technical Specifications

Technical Specifications

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Applications Class	DWDM and laser characterization

PARAMETER	VALUE
Calibration	Wavelength and level calibration support
Internal Memory	Trace save recall class

Notes
From Ando AQ5524B OEM/family OSA documentation. Confirm exact wavelength span, RBW set, and dynamic-range deltas 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.