

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ7250 SM Fiber Mini OTDR

Loss Measurement: 2 point and LSA loss class Warmup Time Class: 15 minutes typical class
Relative Humidity Class: Up to 80 percent noncondensing class From Ando AQ7250 OEM
OTDR documentation. Confirm exact wavelengths, dynamic range, and dead zones on the unit
datasheet revision. Ando AQ7250 Optical Time Domain Reflectometer The Ando AQ7250 is an
optical time domain reflectometer for single-mode fiber fault location and loss
characterization. OEM AQ7250 documentation lists multi-wavelength OTDR operation in the
1310/1550 nm class telecom windows with selectable pulse widths and event analysis. Fiber
plant construction, maintenance, and fault location on single-mode optical networks.
Instrument Type: Optical time domain reflectometer



MODEL

Ando AQ7250

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ7250

LISTING

[https://aumictechlabs.c
om/products/aq7250-
3/](https://aumictechlabs.com/products/aq7250-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ7250 SM Fiber Mini OTDR is a compact, portable optical time domain reflectometer engineered for single-mode and multi-mode fiber network testing, fault detection, and loss measurement. Built for field installation, maintenance, and troubleshooting, it delivers high-speed operation via single-button control and an intuitive interface. The unit combines high-resolution measurements with extensive data storage - up to 999 screens and measurement conditions - supported by onboard OTDR analysis software and dual-language menus

(English/Japanese). Technical Specifications Optical Performance Supported fiber types: Single-mode (10/125 μm), Multi-mode (850/1300 μm) Measurement wavelengths: 850 nm, 1300 nm, 1310 nm, 1550 nm, 1625 nm Dynamic range (SNR=1): 43/41 dB typical at 1310/1550 nm (AQ7255B); 36/34 dB at 1310/1550 nm (AQ7254B); 41.5/39.5/37 dB at 1310/1550/1625 nm (AQ7256B) Event dead zone: 3 m Attenuation dead zone: 8/9 m (1310/1550 nm); 10/12 m; 8/9/12 m (wavelength-dependent) Distance ranges: 2, 5, 10, 20, 40, 80, 160, 240 km Pulse widths: 10 ns to 20 μs (nine selectable options) Splice loss measurement: 0.5 dB detectable at 70 km within 20 seconds Return loss measurement: Up to 18 dB (near-end, single-mode unit) Light Source Wavelengths: 1.31/1.55 μm and 1.31/1.55/1.625 μm variants Maximum output: -3 ± 2 dBm Stability: ± 0.1 dB Laser class: Class 1 (FDA), Class 3A (IEC) Display & Analysis 7.2-inch color LCD (640 $\times$ 480 dots) with selectable background Horizontal axis: 25 m to 240 km full-scale ranges; variable resolution Vertical axis: 0.2–7.5 dB/div scale; 0.001 dB read resolution Key Features Improved measurement algorithm for reduced processing time Extensive onboard storage with optional PCMCIA hard disk and IC memory card support Multi-wavelength capability across telecom C- and L-bands Variable pulse widths optimize near-field resolution and long-distance reach Typical Applications Long-haul single-mode fiber plant commissioning and maintenance Splice and connector characterization at extended distances Return loss assessment in optical networks Rapid field troubleshooting with minimal setup time Compatibility & Integration The AQ7250 platform accepts interchangeable single-mode and multi-mode fiber units (AQ7254B, AQ7255B, AQ7256B) to match specific wavelength and dynamic range requirements. OTDR analysis software facilitates data interpretation and archival via removable media.

AQ7250 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical time domain reflectometer
Wavelengths Class	1310 nm and 1550 nm class typical
Fiber Type	Single mode fiber class
Dynamic Range Class	Mid to high dynamic range OTDR class
Pulse Width Class	Multiple selectable pulse widths
Distance Range Class	Kilometers class distance ranges
Event Dead Zone Class	Short event dead zone class
Attenuation Dead Zone Class	Specified attenuation dead zone class
Loss Resolution Class	0.001 dB class typical OTDR
Distance Resolution Class	Meter class or better class
Display	OTDR trace display class
Form Factor	Benchtop or portable OTDR class
Remote Interface Class	GPIB class
Series Family	Ando AQ7250
Applications Class	SMF plant construction and maintenance
Connector Class	FC SC interchangeable adapters class
Data Storage	Trace save recall class
Operating Temperature Class	Standard lab or field class
Averaging	Multiple averaging modes class
IOR Setting	User settable index of refraction
Loss Measurement	2 point and LSA loss class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Attenuation	Dead Zone Class: Specified attenuation dead zone class
Operating temperature	Class: Standard lab or field class

PARAMETER	VALUE
Humidity	Class: Up to 80 percent noncondensing class

AQ7250 Specifications

PARAMETER	VALUE
Ando AQ7250 Optical Time Domain Reflectometer	Overview
Technical Specifications	Instrument Type: Optical time domain reflectometer
Notes	From Ando AQ7250 OEM OTDR documentation. Confirm exact wavelengths, dynamic range, and dead zones on the unit datasheet revision.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab or field class
Operating Temperature	Class: Standard lab or field class
Humidity	Class: Up to 80 percent noncondensing class
Operating Temperature Class	Standard lab or field class
Averaging	Multiple averaging modes class
IOR Setting	User settable index of refraction
Loss Measurement	2 point and LSA loss class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class Notes From Ando AQ7250 OEM OTDR documentation. Confirm exact wavelengths, dynamic range, and dead zones on the unit datasheet revision.

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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PARAMETER	VALUE
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Applications Class	SMF plant construction and maintenance
Connector Class	FC SC interchangeable adapters class
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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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.