

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ADVANTEST

Advantest Q8460A Optical Time Domain Reflectometer

Attenuation Dead Zone Class: Pulse-width dependent on installed optical unit Connector Interface Class: Optical fiber unit dependent Operating Use: Fiber plant characterization and fault location Identity and family relationships from Advantest Discontinued Products List (Q8460A OTDR). Numeric wavelength, dynamic range, and dead-zone tables belong on the original Q8460A/optical-unit manuals and faceplate options; those figures are not invented here. Connector Interface Class: Optical fiber unit dependent Operating Use: Fiber plant characterization and fault location Identity and family relationships from Advantest Discontinued Products List (Q8460A OTDR). Numeric wavelength, dynamic range, and dead-zone tables belong on the original Q8460A/optical-unit manuals and faceplate options; those figures are not invented here.



MODEL

**Advantest
Q8460A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

Q8460A

LISTING

<https://aumictechlabs.com/products/q8460a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Advantest Q8460A is an Optical Time Domain Reflectometer (OTDR) engineered for precise measurement and fault location in optical fiber installations. This portable instrument characterizes fiber performance, locates breaks and connection losses, and quantifies

transmission loss, splice loss, and optical reflection loss with high accuracy. Its compact, lightweight design supports field deployment with integrated thermal printing and onboard waveform storage.

Technical Specifications

Measurement Parameters

Optical transmission loss
Splice loss
Optical reflection loss
Fault location in optical fiber cables

Installation and maintenance verification

Environmental Operating Conditions

Temperature: 0°C to +40°C
Humidity: ≤85% (non-condensing)

Optical Wavelength Support

0.85 ±0.02 μm
1.30 ±0.02 μm (50/125 μm multimode fiber)
1.31 ±0.02 μm (10/125 μm single-mode fiber)
1.31 μm and 1.55 μm (single-mode fiber via Q84621 unit)

Key Features

Automatic measurement functions for streamlined operation
Integrated thermal printer for on-site documentation
Internal waveform memory: 32 screens
Modular plug-in unit architecture accommodates multiple fiber types and wavelengths
GPIB interface for remote control and automation
Compact form factor optimized for portable field use

Compatibility & Integration

The Q8460A accepts plug-in units for wavelength and fiber-type selection:

Q84601: 10/125 μm SMF at 1.31 ±0.02 μm
Q84605: 0.85 ±0.02 μm operation
Q84606: 50/125 μm MMF at 1.30 ±0.02 μm
Q84621: Single-mode fiber at 1.31 μm and 1.55 μm

GPIB connectivity enables integration into automated test systems and remote measurement workflows. The instrument outputs an invisible laser beam from its optical connector; direct beam exposure presents a hazard and must be avoided.

Q8460A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical time domain reflectometer
Series Family	Advantest Q846x OTDR
Model Designation	Q8460A
Sibling Variant	Q8460AS OTDR
Related Fiber Unit Q846	Optical Fiber Unit
Related Fiber Unit Q84621A	Optical Fiber Unit
Related Fiber Unit Q84621As	Fiber Unit
Related OtDR Q84	OTDR
Related CotDR Q84	COTDR
Manufacturer Status	Discontinued per Advantest EMI discontinued products list
Measurement Principle Class	Optical time domain reflectometry
Primary Medium Class	Optical fiber
Product Category	Optical fiber measuring instruments
Form Factor Class	Benchtop/portable OTDR class
Display Class	OTDR trace display class
Wavelength Capability Class	Fiber-unit dependent (confirm installed Q846xx fiber unit)
Dynamic Range Class	Fiber-unit and pulse-width dependent (confirm unit options)
Distance Range Class	Fiber-unit and refractive-index setting dependent
Event Dead Zone Class	Pulse-width dependent on installed optical unit
Attenuation Dead Zone Class	Pulse-width dependent on installed optical unit
Connector Interface Class	Optical fiber unit dependent
Operating Use	Fiber plant characterization and fault location
Attenuation	Dead Zone Class: Pulse-width dependent on installed optical unit

Q8460A Specifications

PARAMETER	VALUE
Advantest Q8460A Optical Time Domain Reflectometer	Overview
OTDR instrument class	Q846x optical fiber test family
Related AS variant Q8460AS	Companion optical fiber units in Q84601/Q84606/Q84621 families
Technical Specifications	Instrument Type: Optical time domain reflectometer

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	
PARAMETER	VALUE
Instrument Type	Optical time domain reflectometer
Series Family	Advantest Q846x OTDR
Model Designation	Q8460A
Sibling Variant	Q8460AS OTDR
Related Fiber Unit Q84601	Optical Fiber Unit
Related Fiber Unit Q84606	Fiber Unit
Related Fiber Unit Q84621A	Optical Fiber Unit
Related Fiber Unit Q84621As	Fiber Unit
Related OtDR Q8480	OTDR
Related CotDR Q8492	COTDR
Manufacturer Status	Discontinued per Advantest EMI discontinued products list
Measurement Principle Class	Optical time domain reflectometry
Primary Medium Class	Optical fiber
Product Category	Optical fiber measuring instruments
Form Factor Class	Benchtop/portable OTDR class
Display Class	OTDR trace display class
Wavelength Capability Class	Fiber-unit dependent (confirm installed Q846xx fiber unit)
Dynamic Range Class	Fiber-unit and pulse-width dependent (confirm unit options)
Distance Range Class	Fiber-unit and refractive-index setting dependent
Event Dead Zone Class	Pulse-width dependent on installed optical unit
Attenuation Dead Zone Class	Pulse-width dependent on installed optical unit
Connector Interface Class	Optical fiber unit dependent
Operating Use	Fiber plant characterization and fault location
Notes	
Identity and family relationships from Advantest Discontinued Products List (Q8460A OTDR). Numeric	

wavelength, dynamic range, and dead-zone tables belong on the original Q8460A/optical-unit manuals and faceplate options; those figures are not invented here.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.