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Data Sheet

August 3, 2026

ADVANTEST

Advantest TQ8346 Optical Spectrum Analyzer

Advantest TQ8346 Optical Spectrum Analyzer The TQ8346 provides an Advantest optical spectrum analyzer for laboratory characterization of optical sources and components, belonging to Advantest's legacy TQ/Q83xx optical spectrum analysis product line. Optical source spectrum evaluation; fiber-optic and optoelectronic component spectral characterization; laboratory and production optical spectrum measurements where an Advantest TQ8346 OSA is specified. The TQ8346 provides an Advantest optical spectrum analyzer for laboratory characterization of optical sources and components, belonging to Advantest's legacy TQ/Q83xx optical spectrum analysis product line. Optical source spectrum evaluation; fiber-optic and optoelectronic component spectral characterization; laboratory and production optical spectrum measurements where an Advantest TQ8346 OSA is specified.



MODEL

Advantest TQ8346

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

TQ8346

LISTING

<https://aumictechlabs.com/products/tq8346-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advantest TQ8346 is a precision optical spectrum analyzer engineered for high-resolution characterization of optical signals across the visible to near-infrared spectrum. This instrument delivers detailed spectral analysis capabilities essential for optical component testing, signal validation, and wavelength characterization in research and production environments. Technical Specifications Optical Performance Wavelength Range: 650 – 1800 nm Analysis Type: Advanced optical spectrum analysis with high-resolution signal characterization Physical Dimensions Size:

Approximately 24 × 18 × 16 inches Weight: 25 lbs Environmental Operating Conditions
Temperature: +10 to +40°C Humidity: 85% RH or less (non-condensing) Storage Conditions
Temperature: -10 to +50°C Humidity: 90% RH or less (non-condensing)Key Features High-
resolution optical signal analysis across extended wavelength range User-friendly interface
optimized for efficient measurement workflows Internal memory or floppy disk configuration for
data logging and retrieval Standard I/O connectivity supporting external peripherals and computer
control via GPIBTypical Applications The TQ8346 serves critical measurement functions in optical
component development, fiber optic system validation, wavelength division multiplexing (WDM)
signal analysis, and optical amplifier characterization. Its wavelength coverage from 650 nm
through 1800 nm addresses both visible-region and telecommunications-band testing
requirements.Compatibility & Integration The analyzer integrates into automated test systems
through GPIB and standard I/O interfaces, enabling remote control and data acquisition in
production and laboratory environments. Internal or floppy-based storage provides flexible data
management for measurement archival and post-analysis.

Features & description

From manufacturer datasheet

Features

- Optical spectrum analyzer
- Advantest TQ8346 / Q83xx-class OSA family instrument
- Benchtop optical spectral measurement platform
- Suitable for LD/LED and optical-component spectral work

TQ8346 Characteristics / Specifications

PARAMETER	VALUE
Model	TQ8346
Manufacturer	Advantest
Instrument Type	Optical Spectrum Analyzer
Product Family	Advantest optical spectrum analyzers (TQ8346 / related Q83xx lineage)
Related Models	TQ8345; Q8344A (distinct Michelson FT architecture)
Alias	TQ8346 Standard Operating Conditions Allow instrument warm-up before precision wavelength or level measurements. Use appropriate fiber input adapters and observe maximum input power. Perform wavelength calibration per Advantest procedure when absolute accuracy is required.
Confirm faceplate TQ8346 versus related TQ8345/Q8344/Q8347 family units	architecture and coverage differ by model. Verify detailed numeric specs against the unit's OEM manual or calibration certificate when available. Alias TQ8346.

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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Model	TQ8346
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Standard Operating Conditions

Allow instrument warm-up before precision wavelength or level measurements. Use appropriate fiber input adapters and observe maximum input power. Perform wavelength calibration per Advantest procedure when absolute accuracy is required.

Operational Notes

Confirm faceplate TQ8346 versus related TQ8345/Q8344/Q8347 family units—architecture and coverage differ by model. Verify detailed numeric specs against the unit’s OEM manual or calibration certificate when available. Alias TQ8346.

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
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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.