

**Aumictech**

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Data Sheet

August 2, 2026

ADVANTEST

Advantest TQ8345 Optical Spectrum Analyzer

Advantest TQ8345 Optical Spectrum Analyzer The TQ8345 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 TQ8345 OSA is specified. The TQ8345 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 TQ8345 OSA is specified.



MODEL

Advantest TQ8345

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

TQ8345

LISTING

<https://aumictechlabs.com/products/tq8345-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advantest TQ8345 Optical Spectrum Analyzer delivers spectral characterization for optical components and systems. This benchtop instrument provides the precise measurement capabilities required for research, manufacturing, and quality control in telecommunications and photonics. Engineers and system integrators rely on it for detailed spectral analysis of optical signals across demanding applications. Technical Specifications Wavelength Coverage: 0.35 μm to 1.75 μm (visible through infrared spectrum) Spectral Resolution: Down to 0.001 nm for

differentiation of closely spaced spectral lines Measurement Accuracy: 5 ppm or ± 0.1 nm
Measurement Speed: Fast acquisition optimized for manufacturing throughputKey Features High-resolution spectral analysis enabling precise component characterization Fast measurement cycles for efficient production testing User-friendly interface for streamlined operation and data analysis GPIB interface for automated control and integration into test systems NIST-traceable calibration services ensuring measurement integrity and regulatory complianceTypical Applications Optical component characterization in R&D environments Manufacturing quality control and throughput verification Telecommunications and photonics system validation Signal integrity and spectral purity assessmentCompatibility & Integration Standard GPIB connectivity enables straightforward integration into automated test systems, allowing remote instrument control and data logging for systematic quality assurance workflows.

Features & description

From manufacturer datasheet

Features

- Optical spectrum analyzer
- Advantest TQ8345 / Q83xx-class OSA family instrument
- Benchtop optical spectral measurement platform
- Suitable for LD/LED and optical-component spectral work

TQ8345 Characteristics / Specifications

PARAMETER	VALUE
Model	TQ8345
Manufacturer	Advantest
Instrument Type	Optical Spectrum Analyzer
Product Family	Advantest optical spectrum analyzers (TQ8345 / related Q83xx lineage)
Alias	TQ8345 Standard Operating Conditions Allow instrument warm-up before precision wavelength or level measurements. Use appropriate fiber input adapters and observe maximum input power for the installed detector path. Perform wavelength calibration per Advantest procedure when absolute wavelength accuracy is required.
Confirm faceplate marking TQ8345 versus related Q8341/Q8344/Q8347 family units	wavelength coverage and options differ by model. Detailed published numeric specs for TQ8345 are scarce on secondary listings; verify against the unit's OEM manual or calibration certificate when available. Alias TQ8345.
Absolute wavelength accuracy	is required.

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
Model	TQ8345
Manufacturer	Advantest
Instrument Type	Optical Spectrum Analyzer
Product Family	Advantest optical spectrum analyzers (TQ8345 / related Q83xx lineage)
Alias	TQ8345

Standard Operating Conditions

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

Operational Notes

Confirm faceplate marking TQ8345 versus related Q8341/Q8344/Q8347 family units—wavelength coverage and options differ by model. Detailed published numeric specs for TQ8345 are scarce on secondary listings; verify against the unit’s OEM manual or calibration certificate when available. Alias TQ8345.

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.