

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 2, 2026

ADVANTEST

Advantest TQ82032 Optical Sensor Head

The TQ82032 provides an Advantest optical sensor head for use with Advantest optical power meters such as the TQ8210 family, enabling optical power sensing in laboratory and production optical measurement setups. Optical power measurement when paired with a compatible Advantest TQ8210-series meter; general optical sensing in telecom, laser, and optoelectronics test fixtures; sensor-head replacement or expansion in TQ82000-series optical sensor inventories. Compatible Meter Family: TQ8210 / related Advantest optical power meters Product Family: TQ82000-series optical sensors/blocks Connect only with the Advantest sensor cable specified for the meter/sensor pair. Select the correct wavelength on the meter for sensitivity compensation. Protect the photoreceptor aperture from contamination and over-power damage. Confirm faceplate TQ82032 and verify wavelength/power capability on the sensor label or calibration certificate before use—do not assume interchangeability with TQ82015/TQ82017 bands without label confirmation. Alias TQ82032.



MODEL

**Advantest
TQ82032**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

TQ82032

LISTING

<https://aumictechlabs.com/products/tq82032-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Advantest TQ82032 Optical Sensor Head is a precision optical sensing component engineered for accurate measurement of optical parameters in test and calibration environments. This sensor head delivers high-quality optical sensing capabilities and integrates directly with

Advantest optical measurement instrumentation to enable reliable optical power and spectral analysis across diverse measurement applications. Technical Specifications Model: TQ82032 Brand: Advantest Product Type: Optical Sensor Head Weight: 5 lbs Dimensions: 10 × 8 × 6 in Key Features High-quality optical sensing for accurate parameter measurement Versatile design supporting multiple optical sensing applications Compact form factor: 10 × 8 × 6 in Lightweight construction at 5 lbs Typical Applications Optical power measurement and verification Optical spectrum analysis support Test and calibration processes requiring precise optical sensing Research and development optical characterization Compatibility & Integration The TQ82032 integrates with the Advantest TQ8210 Optical Power Meter, enabling extended measurement capability for optical test systems. This pairing allows operators to conduct comprehensive optical measurements within integrated test frameworks.

Features & description

From manufacturer datasheet

Features

- Optical sensor head for Advantest power-meter systems
- Compatible with Advantest TQ8210 Optical Power Meter class instruments
- TQ82000-series sensor-head form factor
- Interchangeable sensor architecture (meter stores wavelength sensitivity compensation)

TQ82032 Characteristics / Specifications

PARAMETER	VALUE
Model	TQ82032
Manufacturer	Advantest
Instrument Type	Optical Sensor Head
Compatible Meter Family	TQ8210 / related Advantest optical power meters
Product Family	TQ82000-series optical sensors/blocks
Alias	TQ82032 Standard Operating Conditions Connect only with the Advantest sensor cable specified for the meter/sensor pair. Select the correct wavelength on the meter for sensitivity compensation. Protect the photoreceptor aperture from contamination and over-power damage.

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	TQ82032
Manufacturer	Advantest
Instrument Type	Optical Sensor Head
Compatible Meter Family	TQ8210 / related Advantest optical power meters
Product Family	TQ82000-series optical sensors/blocks
Alias	TQ82032

Standard Operating Conditions

Connect only with the Advantest sensor cable specified for the meter/sensor pair. Select the correct wavelength on the meter for sensitivity compensation. Protect the photoreceptor aperture from contamination and over-power damage.

Operational Notes

Confirm faceplate TQ82032 and verify wavelength/power capability on the sensor label or calibration certificate before use-do not assume interchangeability with TQ82015/TQ82017 bands without label confirmation. Alias TQ82032.

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>

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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.