

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ADVANTEST

Advantest TR5153 Universal counter

The Advantest TR5153 is a universal frequency counter for frequency, period, and related timing measurements in RF/electronics labs. OEM Advantest counter literature positions the TR5153 for general-purpose frequency counting with multiple measurement functions and standard bench interfaces. Frequency monitoring, oscillator verification, production frequency checks, and general-purpose universal counter measurements. Measurement Functions: Frequency, period, and universal-counter modes class Primary Use: Frequency and timing measurements Primary Use: Frequency and timing measurements Safety Class: Observe published maximum ratings Input Channels Class: Multi-input universal counter class Frequency Range Class: Per TR5153 input channel tables



MODEL

Advantest TR5153

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

TR5153

LISTING

<https://aumictechlabs.com/products/tr5153-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advantest TR5153 Universal Counter delivers precise frequency and time interval measurements across diverse test environments. This standalone instrument performs frequency and period measurements, event counting, and time interval analysis with high-frequency handling capability. Its user-friendly interface supports straightforward operation in electronics testing, research, and calibration workflows. Technical Specifications The TR5153 executes four core measurement functions: frequency measurement, period measurement, event counting, and time interval measurement. The instrument handles high-frequency signals while maintaining

measurement accuracy across its operational range.

Key Features

- Accurate frequency and period measurements
- Versatile input options for frequency and event counting
- High-frequency signal handling
- User-friendly interface design
- Suitable for varied frequency measurement applications

Typical Applications

- Electronics testing
- Research and development
- Calibration laboratories
- Telecommunications

Compatibility & Integration

The TR5153 functions as a standalone universal counter within standard laboratory test setups. It integrates with data acquisition systems that support its measurement functions. Ensure a clear space of 10 centimeters or more around air vents for proper cooling and operate the instrument in a horizontal position.

TR5153 Characteristics / Specifications

PARAMETER	VALUE
Model	TR5153
Instrument Type	Universal counter
Manufacturer	Advantest
Measurement Functions	Frequency, period, and universal-counter modes class
Primary Use	Frequency and timing measurements
Safety Class	Observe published maximum ratings
Chassis Form	Benchtop counter
Brand Lineage	Advantest
Input Channels Class	Multi-input universal counter class
Frequency Range Class	Per TR5153 input channel tables
Resolution Class	Per gate-time / digits table
Gate Time Class	Selectable gate times per sheet
Sensitivity Class	Per input sensitivity table
Input Impedance Class	1 MOhm / 50 ohm class inputs per sheet
Damage Level Class	Per maximum input rating table
Display	Digital counter display class
Remote Interface Class	GPIO class where equipped
Operating Temperature Spec Class	Follow TR5153 sheet
Power Class	AC mains benchtop supply
Documentation Scope	OEM Advantest TR5153 documentation
Installed Options	Determine channel and interface options
Warmup Spec Class	Follow counter accuracy warm-up
Timebase Class	Internal timebase; external ref input class if equipped
Operating temperature	Spec Class: Follow TR5153 sheet

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Spec Class: Follow TR5153 sheet
Operating Temperature	Spec Class: Follow TR5153 sheet
Operating Temperature Spec Class	Follow TR5153 sheet
Power Class	AC mains benchtop supply
Documentation Scope	OEM Advantest TR5153 documentation
Installed Options	Determine channel and interface options
Warmup Spec Class	Follow counter accuracy warm-up
Timebase Class	Internal timebase; external ref input class if equipped Notes From Advantest TR5153 universal counter documentation. Use the instrument faceplate and manual tables for exact frequency ceilings and sensitivity.

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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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.