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Data Sheet

August 15, 2026

ADVANTEST

Advantest TR5824 Frequency counter

Advantest TR5824 Frequency Counter 0.2 mHz to 600 MHz The Advantest TR5824 isareciprocal-method frequency counter in the TR582x electronic counter family.

TechEyesOnline and related instrument listings document a frequency measurement range of 0.2 MHz to 600 MHz and an aging rate of 2×10^{-8} per day for this discontinued model.

General-purpose frequency measurement from sub-hertz to VHF/UHF ranges in service and lab environments. Frequency Measurement Range: 0.2 mHz to 600 MHz The Advantest TR5824 is a reciprocal-method frequency counter in the TR582x electronic counter family.

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General-purpose frequency measurement from sub-hertz to VHF/UHF ranges in service and lab environments. Frequency Measurement Range: 0.2 mHz to 600 MHz Sibling Models Class: TR5820 TR5821 TR5822 TR5823 TR5824 TR5825 TR5826



MODEL	CALIBRATION
Advantest TR5824	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
TR5824	https://aumictechlabs.com/products/tr5824-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Advantest TR5824 is a dedicated frequency counter engineered for precise frequency and count measurements across research, development, manufacturing, and field maintenance applications. It delivers stable, repeatable results in diverse testing environments through high-accuracy measurement capabilities and straightforward operation.

Measurement Types: Frequency and count measurements Input Configuration: Versatile input options accommodating diverse signal sources Operating Temperature: 0°C to +40°C Humidity: 85% or less Orientation: Horizontal operation required; minimum 10 cm clearance around air vents for unobstructed ventilation Storage Position: Horizontal; vertical positioning requires stability measures during transport

Key Features High-accuracy frequency and count measurement performance Multiple input options for signal source flexibility User-friendly interface supporting efficient operation and configuration Crystal vibrator oscillator - requires protection from mechanical shock Grounded power connection via protected ground terminal

Typical Applications Research and development frequency characterization Manufacturing test and quality assurance Field maintenance and troubleshooting General-purpose frequency counting across industrial and laboratory settings

Compatibility & Integration The TR5824 operates as a standalone frequency measurement instrument. Power supply voltage must match instrument specifications before operation. Use fuses rated for the applied voltage. Do not operate with the instrument case open. Ensure dry hands during handling to prevent damage to internal crystal components. Note: The Advantest TR5824-ZK variant is discontinued.

TR5824 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Frequency counter
Frequency Measurement Range	0.2 mHz to 600 MHz
Aging Rate	2 × 10 ⁻⁸ per day
Counting Method Class	Reciprocal method
Series Family	Advantest TR582x counters
Sibling Models Class	TR5820 TR5821 TR5822 TR5823 TR5824 TR5825 TR5826
Manufacturer Status	Discontinued per Advantest EMI discontinued products list
Variant Note	TR5824-ZK listed as frequency counter variant on discontinued list
Time Base Class	Internal crystal time base class (confirm option crystal on unit)
Display Class	Digital frequency display class
Input Class	Front panel frequency input class
Form Factor Class	Benchtop counter
Product Category	Electronic counters
Operating Use	Laboratory and service frequency measurement
Calibration Parameter Class	Frequency accuracy limited by aging and trigger error
Remote Interface Class	Confirm unit options; family offered GPIB/BCD/DA on related TR5822/5823
Measurement Functions Class	Frequency primary; related TR582x models also period TI ratio totalize
Resolution Class	Reciprocal method favors high resolution at low frequencies
Gate Time Class	Operator selectable gate/counting time class on family
Power Class	AC mains powered benchtop instrument class
Lowest Frequency	0.2 mHz
Highest Frequency	600 MHz

TR5824 Specifications

PARAMETER	VALUE
Advantest TR5824 Frequency Counter 0.2 mHz to 600 MHz	Overview
Applications	General-purpose frequency measurement from sub-hertz to VHF/UHF ranges in service and lab environments.
Reciprocal counting method class	0.2 mHz to 600 MHz frequency range
Technical Specifications	Instrument Type: Frequency counter

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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Notes	
Frequency range and aging rate from TechEyesOnline TR5824 specification summary (0.2 mHz to 600 MHz; 2x10 ⁻⁸ /day). Related TR5821/5822/5823 catalog pages provide family context but must not be copied as TR5824-only limits without a TR5824 manual. Confirm faceplate options and time-base crystal on the specific unit.	

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.