

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ADVANTEST

Advantest R5362A Frequency counter

Advantest R5362A 3 GHz Electronic Counter The Advantest R5362A is a 3 GHz electronic counter in the R5361/R5362 family used for adjustment and maintenance of radios and pagers. OEM R5362/R5362B specification listings describe a 60 MHz to 3 GHz 50 ohm Channel 1, 0.2 mHz-class to 100 MHz 1 MOhm Channel 2, 10 mV sensitivity, 9-digit display in 1 s gate via the expanding/reciprocal system, and a 10 MHz external timebase. Frequency measurement of land-mobile, pager, and personal-radio transmitters to 3 GHz. The Advantest R5362A is a 3 GHz electronic counter in the R5361/R5362 family used for adjustment and maintenance of radios and pagers. OEM R5362/R5362B specification listings describe a 60 MHz to 3 GHz 50 ohm Channel 1, 0.2 mHz-class to 100 MHz 1 MOhm Channel 2, 10 mV sensitivity, 9-digit display in 1 s gate via the expanding/reciprocal system, and a 10 MHz external timebase. Frequency measurement of land-mobile, pager, and personal-radio transmitters to 3 GHz. 9-digit display per 1 s gate on the R5361B/R5362B family sheet



MODEL

Advantest R5362A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

R5362A

LISTING

<https://aumictechlabs.com/products/r5362a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Advantest R5362A is a precision frequency counter engineered for accurate frequency and time interval measurements across wide ranges. Dual-channel architecture supports low-frequency measurements from 0.2 mHz to 100 MHz (Input B) and RF measurements spanning 60 MHz to 3 GHz (Input A), with selectable low-pass filtering for noise rejection. A 9-digit display

delivers high-resolution readouts with sampling at approximately 80 ms intervals. The instrument combines a thermostatically controlled crystal oscillator for timing stability with flexible triggering from -1.2 V to +1.2 V and integrated burst-wave measurement capability. Time interval analysis spans 200 ns to 9000 s with display resolution down to picoseconds. Measurement accuracy incorporates trigger error, 1-count quantization, and reference time stability components.

Technical Specifications

Frequency Range (Input A): 60 MHz to 3 GHz across dual bands
Frequency Range (Input B): 0.2 MHz to 100 MHz (LPF ON); 0.8 MHz to 100 MHz (LPF OFF)
Time Interval Range: 200 ns to 9000 s
Display: 9 digits with approximately 80 ms sampling rate
Trigger Level: -1.2 V to +1.2 V, continuously variable
Measurement Accuracy: $\pm$ trigger error $\pm$ 1 count $\pm$ reference time accuracy
Oscillator: Thermostatically controlled high-stability crystal (OCXO)
Operating Temperature: +0°C to +55°C
Storage Temperature: -40°C to +55°C
Maximum Altitude: 25,000 ft
Power Supply: AC (120 V/60 Hz standard), DC (+10 to +30 V), or battery (TR15801 series, lead-acid or Ni-Cd)

Key Features

Low-pass filter for 10 kHz noise rejection
Burst-wave measurement with switchable enable
Trigger indicator LED display
Time unit multipliers: 100, 10^1 , 10^2 , 10^3
Time display formats: ps, ns, μ s, ms, s, ks
BNC input connectors with 50-ohm cable compatibility

Typical Applications

RF and microwave frequency validation
Precision timing and phase measurement
Component testing in research and manufacturing
Low-frequency oscillator characterization

Compatibility & Integration

Compatible with TR1644 Calculation Unit
Accepts TR15801 series battery packs
Factory options available: 20, 21, 22, 23 (reference time variants), 39 (Ni-Cd backup battery, built-in)

R5362A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Electronic frequency counter
Manufacturer	Advantest
Max Frequency	3.0 GHz
Number Of Channels	2
Channel 1 Min Frequency	60 MHz (family 3 GHz input; some listings typeset 60 mHz)
Channel 1 Max Frequency	3 GHz
Channel 1 Sensitivity	10 mV
Channel 1 Max Input Voltage	3 V
Channel 1 Impedance	50 ohm
Channel 1 Attenuation	x1, x20
Channel 1 Coupling	AC
Channel 2 Min Frequency	200 Hz (BRL Test R5362B table; family also cites 0.2 mHz reciprocal low end)
Channel 2 Max Frequency	100 MHz
Channel 2 Sensitivity	10 mV
Channel 2 Impedance	1 MOhm
Channel 2 Coupling	AC
Timebase Stability	2e-7 per year (0.0000002 /yr listing)
Measurement Throughput	0.08 s
External Timebase	10 MHz
Display	9-digit / 1 s gate on R5361B/R5362B family sheet
Measurement Principle	expanding/reciprocal system with Advantest counter LSI
Family Models	R5361B / R5362 / R5362A / R5362B
Attenuation	x1, x20

R5362A Specifications

PARAMETER	VALUE
Advantest R5362A 3 GHz Electronic Counter	Overview
Applications	Frequency measurement of land-mobile, pager, and personal-radio transmitters to 3 GHz.
Channel 1 to 3 GHz 50 ohm	Channel 2 high-impedance to 100 MHz
Technical Specifications	Instrument Type: Electronic 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	
Specifications	
PARAMETER	VALUE
Instrument Type	Electronic frequency counter
Manufacturer	Advantest
Max Frequency	3.0 GHz
Number Of Channels	2
Channel 1 Min Frequency	60 MHz (family 3 GHz input; some listings typeset 60 mHz)
Channel 1 Max Frequency	3 GHz
Channel 1 Sensitivity	10 mV
Channel 1 Max Input Voltage	3 V
Channel 1 Impedance	50 ohm
Channel 1 Attenuation	x1, x20
Channel 1 Coupling	AC
Channel 2 Min Frequency	200 Hz (BRL Test R5362B table; family also cites 0.2 mHz reciprocal low end)
Channel 2 Max Frequency	100 MHz
Channel 2 Sensitivity	10 mV
Channel 2 Impedance	1 MOhm
Channel 2 Coupling	AC
Timebase Stability	2e-7 per year (0.0000002 /yr listing)
Measurement Throughput	0.08 s
External Timebase	10 MHz
Display	9-digit / 1 s gate on R5361B/R5362B family sheet
Measurement Principle	expanding/reciprocal system with Advantest counter LSI
Family Models	R5361B / R5362 / R5362A / R5362B
Notes	
From Advantest R5362/R5362B 3 GHz electronic-counter specification listings (TEC R5361B/5362B family paragraph and BRL Test R5362B channel table). R5362A is the A-suffix 3 GHz model in that family; confirm Channel-1 low-end frequency (60 MHz vs typeset 60 mHz) on the R5362A operation manual.	

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.