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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69237A Synthesized Signal Generator

Anritsu 69237A Synthesized Signal Generator 2 to 20 GHz The Anritsu/Wiltron 69237A is a 69A Series synthesized signal generator covering 2 GHz to 20 GHz with external AM/FM/pulse modulation and step/power sweep. It is the signal-generator counterpart to 69037A (CW), 69137A (sweep), and 69337A (sweep/signal) in the same 2–20 GHz suffix. The Anritsu/Wiltron 69237A is a 69A Series synthesized signal generator covering 2 GHz to 20 GHz with external AM/FM/pulse modulation and step/power sweep. It is the signal-generator counterpart to 69037A (CW), 69137A (sweep), and 69337A (sweep/signal) in the same 2–20 GHz suffix.



MODEL

Anritsu 69237A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69237A

LISTING

<https://aumictechlabs.com/products/69237a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 69237A Synthesized Signal Generator delivers flexible, multi-band signal output for aerospace and RF component testing. It has CW stimulus, swept measurements, and modulation capabilities across broad frequency coverage. The instrument combines ultra-low phase noise with user-defined waveform support and synchronized modulation, making it suitable for demanding signal simulation and component characterization tasks.

Technical Specifications

- Frequency & Output Power** Frequency coverage from 0.01 GHz to 20.0 GHz with optional 0.1 Hz resolution Maximum output power: +17 dBm Minimum output power: –125 dBm SSB phase noise: –100 dBc at 10 kHz offset from 10 GHz
- Modulation & Waveform Generation** Internal AM, FM, ØM, and pulse modulation 7 internal modulating waveforms including Gaussian noise Support for

user-defined arbitrary waveforms and user-downloadable complex modulation Doublet, triplet, and quadruplet pulse configurations for RADAR blind spot testing Simultaneous synchronized modulations across the entire frequency range -# Sweep Capabilities CW and step sweep modes Variable dwell time: 1 ms to 99 seconds for step sweep Step sweep switching time: less than 15 ms + 1 ms/GHz step size, or less than 40 ms (typical maximum) Discrete CW frequencies with broad and narrow band step sweep optionsKey Features Consistent amplitude accuracy for multi-band applications Analog, step, and manual sweep capability Flexible signal generation for complex test scenarios Output level flatness correction supportTypical Applications Aerospace component testing and RF characterization Swept frequency measurements Complex signal simulation and stimulus RADAR and pulse modulation testing

Features & description

From manufacturer datasheet

Features

- Synthesized signal coverage 2 to 20 GHz

Applications

- Modulated microwave stimulus 2 to 20 GHz

69237A Characteristics / Specifications

PARAMETER	VALUE
Model	69237A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Signal Generator
Alias	69237A; Anritsu 69237A; Wiltron 69237A
Frequency range	2 GHz to 20 GHz
Family	69A Series ultra low noise
Output power resolution	0.01 dB
Source impedance	50 ohm nominal
Source SWR internal leveling below 2 GHz	less than 1.7 typical
Source SWR 2 to 20 GHz	less than 1.6 typical
Source SWR above 20 GHz	less than 2.0 typical
Power level stability vs temperature	0.04 dB/degCtypical
Internal leveling	yes at output connector
RF on off	yes
Level offset	yes
CW frequency resolution standard	1 kHz class
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2×10^{-8} /day class
Residual FM 0.5 to 1.0 GHz class	less than 10 Hz RMS
Residual FM 1.0 to 2.2 GHz class	less than 20 Hz RMS
Residual FM 2.2 to 20 GHz class	less than 40 Hz RMS
Step attenuator option to 26.5 GHz	Option 2A 110 dB
Step attenuator option to 40 GHz	Option 2B 110 dB
Step attenuator option to 50 GHz	Option 2C 90 dB
Step attenuator option to 60 GHz	Option 2D 90 dB

PARAMETER	VALUE
Rack mount option	Option 1
Remote control	GPIB
Leveled output power 2 to 20 GHz class	+17 dBm
Leveled output with step attenuator 2 to 20 GHz class	+15 dBm
Modulation	AM Ext, FM Ext, Pulse Ext (standard 69200A)
Analog sweep	not standard on 69200A class
Step sweep	standard
Output mode	CW, step sweep, and externally modulated signal
Related CW model	69037A
Related sweep model	69137A
Related sweep signal model	69337A
Primary use	ultra low noise synthesized signal generation 2 to 20 GHz Notes Specs from Anritsu/Wiltron 69A Series datasheet tables for 69×37A / 69237A (2–20 GHz Signal). Series: 69000A CW, 69100A Sweep, 69200A Signal, 69300A Sweep/Signal. Confirm options and calibration label power.

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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PARAMETER	VALUE
Model	69237A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Signal Generator
Specifications	
PARAMETER	VALUE
Alias	69237A; Anritsu 69237A; Wiltron 69237A
Frequency range	2 GHz to 20 GHz
Family	69A Series ultra low noise
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PARAMETER	VALUE
Output power resolution	0.01 dB
Source impedance	50 ohm nominal
Source SWR internal leveling below 2 GHz	less than 1.7 typical
Specifications	
PARAMETER	VALUE
Source SWR 2 to 20 GHz	less than 1.6 typical
Source SWR above 20 GHz	less than 2.0 typical
Power level stability vs temperature	0.04 dB/degCtypical
Specifications	
PARAMETER	VALUE
Internal leveling	yes at output connector
RF on off	yes
Level offset	yes

Specifications

PARAMETER	VALUE
CW frequency resolution standard	1 kHz class
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2×10^{-8} /day class

Specifications

PARAMETER	VALUE
Residual FM 0.5 to 1.0 GHz class	less than 10 Hz RMS
Residual FM 1.0 to 2.2 GHz class	less than 20 Hz RMS
Residual FM 2.2 to 20 GHz class	less than 40 Hz RMS

Specifications

PARAMETER	VALUE
Step attenuator option to 26.5 GHz	Option 2A 110 dB
Step attenuator option to 40 GHz	Option 2B 110 dB
Step attenuator option to 50 GHz	Option 2C 90 dB

Specifications

PARAMETER	VALUE
Step attenuator option to 60 GHz	Option 2D 90 dB
Rack mount option	Option 1
Remote control	GPIO

Leveled output power 2 to 20 GHz class: +17 dBm

Leveled output with step attenuator 2 to 20 GHz class: +15 dBm

Specifications

PARAMETER	VALUE
Modulation	AM Ext, FM Ext, Pulse Ext (standard 69200A)
Analog sweep	not standard on 69200A class
Step sweep	standard

Specifications

PARAMETER	VALUE
Output mode	CW, step sweep, and externally modulated signal
Related CW model	69037A

PARAMETER	VALUE
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Related sweep model	69137A
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Related sweep signal model: 69337A

Primary use: ultra low noise synthesized signal generation 2 to 20 GHz

Notes

Specs from Anritsu/Wiltron 69A Series datasheet tables for 69x37A / 69237A (2-20 GHz Signal). Series: 69000A CW, 69100A Sweep, 69200A Signal, 69300A Sweep/Signal. Confirm options and calibration label power.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.