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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69265A Synthesized Signal Generator, 0.5 to 40.0 GHz

Anritsu 69265A Synthesized Signal Generator 0.5 to 40 GHz The Anritsu/Wiltron 69265A is a 69A Series synthesized signal generator covering 0.5 GHz to 40 GHz with AM/FM/pulse modulation capability via external modulating signals, plus step and power sweep for network analysis and ATE. It sits between sweep-only 69165A and full sweep/signal 69365A in the same frequency suffix. The Anritsu/Wiltron 69265A is a 69A Series synthesized signal generator covering 0.5 GHz to 40 GHz with AM/FM/pulse modulation capability via external modulating signals, plus step and power sweep for network analysis and ATE. It sits between sweep-only 69165A and full sweep/signal 69365A in the same frequency suffix.



MODEL

Anritsu 69265A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69265A

LISTING

<https://aumictechlabs.com/products/69265a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 69265A Synthesized Signal Generator delivers precise RF signal generation across 0.5 GHz to 40.0 GHz, engineered for demanding lab testing, satellite payload verification, and system-level performance evaluation. Its synthesized architecture provides 1 kHz frequency resolution with exceptional stability: $< 2 \times 10^{-8}$ /day aging and $< 2 \times 10^{-8}/^{\circ}\text{C}$ temperature drift (0°C to 55°C). Optional upgrades enable ultra-tight stability to $< 5 \times 10^{-10}$ /day and $< 2 \times 10^{-10}/$

°C. Frequency switching reaches < 40 ms to within 1 kHz of final frequency, with step sweep times as fast as < 15 ms + 1 ms/GHz or < 40 ms maximum. Technical Specifications Frequency Range: 0.5 GHz to 40.0 GHz Frequency Stability (Standard): < 2×10^{-8} /day aging; < 2×10^{-8} /°C temperature (0°C to 55°C) Frequency Stability (Option 16): < 5×10^{-10} /day aging; < 2×10^{-10} /°C temperature Frequency Resolution: 1 kHz (0.1 Hz with Option 11) Frequency Switching: < 40 ms typical to within 1 kHz of final frequency Step Sweep Time: < 15 ms + 1 ms/GHz step size or < 40 ms, whichever is less 10 MHz Reference Output: 0.5 V p-p into 50 Ω , AC coupled, rear panel BNC External 10 MHz Reference Input: Supported Key Features Sweep width independently selectable from 1 MHz to full range continuous sweep Variable dwell time per step: 1 ms to 99 seconds Manual sweep mode with user-selectable stepped, phase-locked frequency adjustment Alternate sweep mode: sweeps between two ranges with independent power level assignment Phase-locked step sweep operation Modulation support: AM, FM/FM, PM, external/internal, or analog sweep Internal and external low frequency and pulse generator capability Typical Applications RF laboratory testing and characterization Satellite payload verification System-level performance evaluation Multi-function measurement configurations Compatibility & Integration The 69265A accepts external 10 MHz reference inputs and provides 10 MHz reference output via rear panel BNC connector, enabling synchronization with external timing standards and test system architectures.

Features & description

From manufacturer datasheet

Features

- Synthesized signal coverage 0.5 to 40 GHz

Applications

- Modulated microwave stimulus 0.5 to 40 GHz

69265A Characteristics / Specifications

PARAMETER	VALUE
Model	69265A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Signal Generator
Alias	69265A; Anritsu 69265A; Wiltron 69265A
Frequency range	0.5 GHz to 40 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 0.5 to 2.2 GHz class	+13 dBm
Leveled output power greater than 2.2 to 20 GHz class	+13 dBm
Leveled output power greater than 20 to 40 GHz class	+6 dBm
Leveled output with step attenuator 0.5 to 2.2 GHz class	+11 dBm
Leveled output with step attenuator greater than 2.2 to 20 GHz class	+11 dBm
Leveled output with step attenuator greater than 20 to 40 GHz class	+3 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	69065A
Related sweep model	69165A
Related sweep signal model	69365A
Primary use	ultra low noise synthesized signal generation to 40 GHz Notes Specs from Anritsu/Wiltron 69A Series datasheet tables for 69×65A / 69265A (0.5–40 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	
Specifications	
PARAMETER	VALUE
Model	69265A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Signal Generator
Specifications	
PARAMETER	VALUE
Alias	69265A; Anritsu 69265A; Wiltron 69265A
Frequency range	0.5 GHz to 40 GHz
Family	69A Series ultra low noise
Specifications	
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 x 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 0.5 to 2.2 GHz class: +13 dBm

Leveled output power greater than 2.2 to 20 GHz class: +13 dBm

Leveled output power greater than 20 to 40 GHz class: +6 dBm

Leveled output with step attenuator 0.5 to 2.2 GHz class: +11 dBm

Leveled output with step attenuator greater than 2.2 to 20 GHz class: +11 dBm

Leveled output with step attenuator greater than 20 to 40 GHz class: +3 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	69065A
Related sweep model	69165A

Related sweep signal model: 69365A

Primary use: ultra low noise synthesized signal generation to 40 GHz

Notes

Specs from Anritsu/Wiltron 69A Series datasheet tables for 69x65A / 69265A (0.5-40 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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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.