

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ANRITSU

Anritsu 68265B Synthesized Signal Generator

Anritsu 68265B Synthesized Signal Generator 0.5 to 40 GHz The Anritsu 68265B is a synthesized signal generator covering 0.5 to 40 GHz in the 68200B family. It adds internal/external AM, FM, and pulse modulation with internal arbitrary waveform generators for complex microwave signal simulation across K-connector bands. The Anritsu 68265B is a synthesized signal generator covering 0.5 to 40 GHz in the 68200B family. It adds internal/external AM, FM, and pulse modulation with internal arbitrary waveform generators for complex microwave signal simulation across K-connector bands.



MODEL

Anritsu 68265B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

68265B

LISTING

<https://aumictechlabs.com/products/68265b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 68265B Synthesized Signal Generator delivers RF and microwave signal generation across 0.01 GHz to 50 GHz with precision output and ultra-low phase noise. Built for high-frequency test environments, this instrument combines fast frequency switching, phase-locked stability, and extensive modulation capability - making it ideal for radar, satellite communications, and telecom applications requiring demanding performance standards. Technical Specifications Frequency Range: 0.01 GHz to 50 GHz Output Power: -20 dBm to +20 dBm (standard); -10 dBm to +30 dBm (with Option 15B) Phase Noise: Typically -100 dBc/Hz at 10 kHz offset from 10 GHz; downconverter models offer 30-50 dB improvement in the 10 MHz to 2.2 GHz range Switching

Time: $\leq 15 \text{ ms} + 1 \text{ ms/GHz step}$, or $\leq 40 \text{ ms}$ (whichever is less) Step Sweep: 1 to 10,000 steps; step size 1 kHz to full range (0.1 Hz optional) Dwell Time: 1 ms to 99 seconds per step Frequency Resolution: 1 kHz standard; optional 0.1 Hz Output Impedance: 50 Ohms Key Features

Programmable Frequency Agility: Up to 1,000 non-sequential frequencies via GPIB Alternate Sweep Mode: Dual-range sweep with independent power levels Manual Sweep Mode: Phase-locked stepped frequency adjustment AM Modulation: 0–90% depth, log/linear, DC to 100 kHz rates FM Modulation: Four modes; up to 10 MHz at 8 MHz rates or 100 MHz deviation at 100 Hz rates Phase Modulation (Optional): Up to 400 radians at 1 MHz rates Internal Modulation Generators: Seven waveforms each for AM, FM, and Φ M; optional user-defined complex modulation and AM SCAN (60 dB depth) Interfaces & Integration GPIB (IEEE-488) for remote control and programming Standard rack-mount form factor for ATE integration Three-wire grounded power input

Features & description

From manufacturer datasheet

Features

- Frequency coverage 0.5 to 40 GHz
- Internal and external AM FM pulse modulation
- Internal generators with seven modulating waveforms
- Standard 1 kHz resolution; Option 11 for 0.1 Hz
- Banded leveled power per 6XX65 tables
- IEEE-488 GPIB remote programming

Applications

- Modulated microwave signal simulation 0.5 to 40 GHz
- Receiver and radar pulse modulation tests
- ATE stimulus with internal modulation generators
- LO and clock applications needing AM FM pulse

High power Option 15 greater than 20 to 40 GHz: plus 6 dBm

Output power resolution: 0.01 dB Internal time base aging: less than 2×10^{-8} /day Internal time base aging Option 16: less than 5×10^{-10} /day SSB phase noise 68XXXB at 20 GHz 10 kHz offset: -78 dBc/Hz SSB phase noise 68XXXB at 40 GHz 10 kHz offset: -72 dBc/Hz Modulation AM: internal and external Modulation FM: internal and external Modulation pulse: internal and external Internal waveforms: 7 including Gaussian noise Phase modulation: Option 6 Remote control: IEEE 488 GPIB Related CW model: 68065B Related sweep model: 68165B Related sweep signal model: 68365B Related ultra low noise signal: 69265A RF connector class: TypeKfemale Notes Power and modulation class from Anritsu 68000B/69000A datasheet for 68265B (0.5–40 GHz). Confirm Option 6/15/16 and RF connector on the unit.

68265B Characteristics / Specifications

PARAMETER	VALUE
Model	68265B
Manufacturer	Anritsu / Wiltron
Instrument Type	Synthesized Signal Generator
Alias	68265B; Anritsu 68265B
Frequency range	0.5 GHz to 40 GHz
Family	68200B Synthesized Signal Generators
CW frequency resolution standard	1 kHz
CW frequency resolution Option	0.1 Hz
Leveled output 0.5 to 2.2 GHz	plus 13 dBm
Leveled output greater than 2.2 to 20 GHz	plus 9 dBm
Leveled output greater than 20 to 40 GHz	plus 6 dBm
Leveled with step attenuator 0.5 to 2.2 GHz	plus 11 dBm
Leveled with step attenuator greater than 2.2 to 20 GHz	plus 7 dBm
Leveled with step attenuator greater than 20 to 40 GHz	plus 3 dBm
High power Option 15 0.5 to 20 GHz	plus 13 dBm
High power Option 15 greater than 20 to 40 GHz	plus 6 dBm
Output power resolution	0.01 dB
Internal time base aging	less than 2×10^{-8} /day
Internal time base aging Option	less than 5×10^{-10} /day
SSB phase noise 68XXXB at 20 GHz 10 kHz offset	-78 dBc/Hz
SSB phase noise 68XXXB at 40 GHz 10 kHz offset	-72 dBc/Hz

PARAMETER	VALUE
Modulation AM	internal and external
Modulation FM	internal and external
Modulation pulse	internal and external
Internal waveforms	7 including Gaussian noise
Phase modulation	Option 6
Remote control	IEEE 488 GPIB
Related CW model	68065B
Related sweep model	68165B
Related sweep signal model	68365B
Related ultra low noise signal	69265A
RF connector class	TypeKfemale Notes Power and modulation class from Anritsu 68000B/69000A datasheet for 68265B (0.5–40 GHz). Confirm Option 6/15/16 and RF connector on the unit.

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	68265B
Manufacturer	Anritsu / Wiltron
Instrument Type	Synthesized Signal Generator
Alias	68265B; Anritsu 68265B
Frequency range	0.5 GHz to 40 GHz
Family	68200B Synthesized Signal Generators
CW frequency resolution standard	1 kHz
CW frequency resolution Option 11	0.1 Hz
Leveled output 0.5 to 2.2 GHz	plus 13 dBm
Leveled output greater than 2.2 to 20 GHz: plus 9 dBm Leveled output greater than 20 to 40 GHz: plus 6 dBm Leveled with step attenuator 0.5 to 2.2 GHz: plus 11 dBm Leveled with step attenuator greater than 2.2 to 20 GHz: plus 7 dBm Leveled with step attenuator greater than 20 to 40 GHz: plus 3 dBm High power Option 15 0.5 to 20 GHz: plus 13 dBm High power Option 15 greater than 20 to 40 GHz: plus 6 dBm	
Specifications	
PARAMETER	VALUE
Output power resolution	0.01 dB
Internal time base aging	less than 2 x 10^-8/day
Internal time base aging Option 16	less than 5 x 10^-10/day
SSB phase noise 68XXB at 20 GHz 10 kHz offset: -78 dBc/Hz SSB phase noise 68XXB at 40 GHz 10 kHz offset: -72 dBc/Hz	
Specifications	
PARAMETER	VALUE
Modulation AM	internal and external
Modulation FM	internal and external
Modulation pulse	internal and external

PARAMETER	VALUE
Internal waveforms	7 including Gaussian noise
Phase modulation	Option 6
Remote control	IEEE 488 GPIB
Related CW model	68065B
Related sweep model	68165B
Related sweep signal model	68365B
Related ultra low noise signal	69265A
RF connector class	TypeKfemale

Notes

Power and modulation class from Anritsu 68000B/69000A datasheet for 68265B (0.5–40 GHz). Confirm Option 6/15/16 and RF connector on the 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

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 13, 2026

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