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Quick Fact Sheet

Agilent N9310A RF Signal Generator

Built to Perform, Priced to Compete



1. Preset state key
2. Enlarged control keys
3. 6.5" color display and multi-language UI
4. USB interface in front and back panels for easy operation and data storage
5. LF out BNC
6. RF out type N, female
7. Knob for fine control
8. Option 1HB provides additional protection to the instrument
9. Compact design (mm): 132.5 x 320 x 400 (H x W x D)

Agilent N9310A low-cost compact signal generator

Features	N9310A RF signal generator	Benefit / value
Performance	Frequency range: 9 kHz to 3 GHz Level: -127 to +13 dBm +20 dBm settable Switch time: < 10 mSec Modulations: AM, FM, M, Pulse IQ modulator: 80 MHz BW	Offers analog modulation and an IQ modulator with professional grade performance at an affordable price.
Display	6.5 inch TFT color screen with 640 x 480 resolution	A clear, bright color screen with associated, easy-to-read soft keys helps users quickly set up signal output parameters.
User interface	Multi-language (up to 11 regions)	Users all over the world can easily operate this instrument in their native language for improved productivity.
Connectivity	USB ports	Easily save data to USB memory stick. Fast and convenient firmware updates. Fast remote control with a PC.
Size & weight	Small and lightweight	Convenient for field use. Saves space on a crowded bench.

Quick Fact Sheet

Professional performance

Frequency range	9 kHz to 3 GHz
LF output	20 Hz to 80 kHz
Level	-127 dBm to +13 dBm (settable to +20 dBm)
Sweep	Frequency / amplitude / LF/ list
SSB	< -95 dBc/Hz
Switching time	< 10 mSec
Modulations	AM, FM, Φ M, pulse modulation
IQ modulator	8 0 MHz BW
Connectivity	USB interface for USB memory stick
Display	6.5" TFT color screen
Language	Multi-language user interface

Application	Test case	Performance requirements	Agilent N9310B performance
Receiver test	Sensitivity	Modulated signal, around -110 dBm	AM/FM/FM, -127 to +13 dBm
	RSSI/RX Level	CW, about 1dB amplitude accuracy	1 dB amplitude accuracy
	Blocking, spurious response	CW/modulated signal, higher sensitivity level	Min. -127 dBm
Amplifier test	IP3.1dB compression	CW signal, with high output level	+13 dBm, +20 dBm settable for most frequencies
Mixer/filter test	Inter-mod, insertion loss, frequency response	CW signal, with high output level	+13 dBm, +20 dBm settable for most frequencies
EMC test	Spurious elimination	CW	9 kHz to 3 GHz CW output
Wireless products	Receiver tests	Same as receiver test above	Same as above

Model	Description	US DDP
N9310A	RF signal generator	\$7,273
Options	Description	US DDP
Option 001	Analog 1/Q input capability requires external stimulus	\$975
Option 1HB	Handle and bumpers (must order with base model)	\$325
Option 1CM	Rack mount kit	\$217
Option 1TC	Hard transit case	\$433
Option 1PA	30 dB power attenuator (average power: 50 W)	\$1,029

N9310A target market

High-volume consumer electronics manufacturing
 Basic tool for R&D
 Bench repair
 Education teaching lab
 Service installation and maintenance

**Agilent low-cost RF solutions.
 Built to perform. Priced to compete.**



*N9310A
 RF signal generator*

*N9320B
 RF spectrum analyzer*

Product specifications and descriptions in this document subject to change without notice.

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