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Find the *Keysight / Agilent N9310A* at our website: ***Click HERE***

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<br>Level: -127 to +13 dBm<br>+20 dBm settable<br>Switch time: < 10 mSec<br>Modulations: AM, FM, M, Pulse<br>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.<br>Fast and convenient firmware updates.<br>Fast remote control with a PC. |
| Size & weight | Small and lightweight | Convenient for field use.<br>Saves space on a crowded bench. |

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# 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, ΦM, 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 formost frequencies |
| Mixer/filter test | Inter-mod, insertion loss, frequency response | CW signal, with high output level | +13 dBm, +20 dBm settable formost 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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