

# Keysight Technologies

## N9310A RF Signal Generator

### Configuration Guide



## Configure Your Keysight N9310A RF Signal Generator

The Keysight Technologies, Inc. N9310A is a general purpose signal generator from 9 kHz to 3 GHz. Its standard features include:

- Continuous wave output: 9 kHz to 3.0 GHz
- Analog modulation output: AM, FM,  $\Phi$ M, and pulse modulation
- Low frequency output: 20 Hz to 80 kHz

This step-by-step process will help you to configure your N9310A RF signal generator by tailoring its options to meet your requirements.

For detailed specifications, refer to the N9310A RF signal generator data sheet (5990-8116EN). For a product overview, refer to the N9310A RF signal generator brochure (5990-8115EN).

## Ordering Information

Description	Model number	Additional information
RF signal generator, 9 kHz to 3.0 GHz	N9310A	Accessories supplied as standard with each signal generator: Quick Start Guide, USB cable, power cord, and documentation CD-ROM
Description	Option number	Additional information
Step 1. Add additional capabilities		
Precision frequency reference	N9310A-PFR	For enhanced frequency stability (aging rate $< \pm 1 \times 10^{-7}$ ), available for ordering only with base model at initial purchase
Analog I/Q input, 20 MHz bandwidth per channel	N9310A-001	Requires external baseband signal input Learn more from <a href="http://www.keysight.com/find/IQbundle">www.keysight.com/find/IQbundle</a>
Step 2. Choose localized User's Guide		
English User's Guide	N9310A-ABA	
Simplified Chinese User's Guide	N9310A-AB2	
Japanese User's Guide	N9310A-ABJ	
Step 3. Add optional accessories		
Power attenuator, 40 dB, DC to 8.5 GHz	N9311X-561	Provides external power attenuator for reversal power protection
Hard transit case (D x W x H)	N9310A-1TC	<ul style="list-style-type: none"> <li>– 645 x 444 x 268 mm, 13 kg nominal</li> <li>– 25.4 x 17.5 x 10.6 in, 29 lb nominal</li> </ul>
Rack mount kit	N9310A-1CM	Includes a rackmount flange and front handle kit. Fits standard 19-inch rack and occupies three units of rack space

Need more RF and microwave accessories? Visit [www.keysight.com/find/N9311X](http://www.keysight.com/find/N9311X)

Step 5. Add calibration, technical training, support, and upgrade services		
Select Keysight Calibration Plan		
Commercial calibration certificate with test data	N9310A-UK6	Calibration certificate only available at time of instrument purchase; only provides measurement results
3-year calibration assurance plan (return to Keysight)	R-50C-011-3	Priority calibration service covering all calibration costs for 3 years; 15% cheaper than buying stand-alone calibrations
5-year calibration assurance plan (return to Keysight)	R-50C-011-5	Priority calibration service covering all calibration costs for 5 years; 20% cheaper than buying stand-alone calibrations

Other calibration options may available, for more information on calibration, go to: [www.keysight.com/find/calibration](http://www.keysight.com/find/calibration).

For more information on training and application support services, go to: [www.keysight.com/find/training](http://www.keysight.com/find/training).

## Instrument Upgrades

Most of the Keysight N9310A RF signal generator options are available for post-sales retrofit.

For license-key upgrades that do not require additional hardware:

1. Place an order for the upgrade with Keysight and request to receive the software entitlement certificate through email
2. Install the license key in the N9310A. Upgrade firmware to the latest revision if required
3. Restart the N9310A
4. Begin using the new capability

Description	Upgrade number
Add analog I/Q input capability	N9310AK-001
Rack mount kit	N9310AK-1CM
Power attenuator	N9311X-561
Hard transit case	N9310AK-1TC

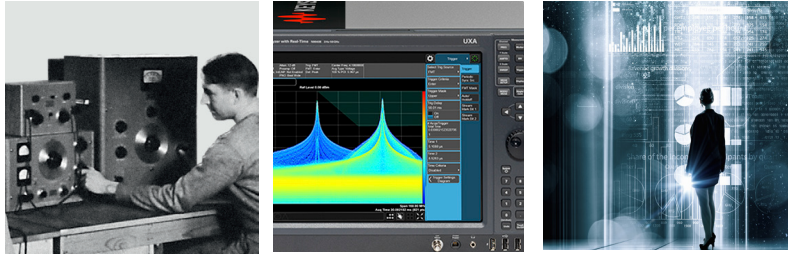
A comprehensive summary about the N9310A upgrades is also available at: [www.keysight.com/find/n9310a\\_upgrade](http://www.keysight.com/find/n9310a_upgrade).

## Related Literature

Publication number	Publication title
5990-8115EN	<i>Keysight N9310A RF Signal Generator, Brochure</i>
5990-8116EN	<i>Keysight N9310A RF Signal Generator, Data Sheet</i>

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© Keysight Technologies, 2013 - 2018  
Published in USA, April 24, 2018  
5990-8117EN  
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