

Agilent N9310A and N9320A – Your Preferred RF Teaching Tools

Educating tomorrow's RF technicians and engineers - but restricted by your capital budget?

Looking for basic RF signal generators and spectrum analyzers for your students' labs - but hesitant as to which ones to choose?

Thinking of improving your class with additional live demonstrations and hands-on practice for your students?

Then meet those needs with a set of basic RF instruments like Agilent's low cost N9310A signal generator and N9320A spectrum analyzer. They help you to develop more stimulating and effective demonstrations and hands-on labs, yet with affordable prices that help you stay within your budget.

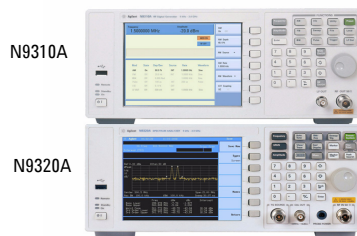


In your classroom, research lab, or teaching lab, Agilent's low cost RF signal generator and spectrum analyzer are your preferred RF teaching tools

Agilent has optimized the N9310A RF signal generator and N9320A RF spectrum analyzer as a pair of complementary educational tools. We believe that their professional performance, ease-of-use and affordable price will satisfy the requirements of you and your department heads.

This pair of low cost, general purpose RF instruments have been rapidly and continuously adopted by many universities and institutes throughout the world, for building up their research labs, modernizing their teaching labs, or enhancing live classroom demonstrations. When you discuss the concepts of RF signals in the frequency domain to your students, explain how a wireless communication system works, or prepare hands-on labs for student practice, the N9310A and N9320A are your ideal RF educational tools. More important, you can trust Agilent and its high standard of technical support services, when you have instruments needs.

Product Overview



- **N9310A RF signal generator**
It covers a frequency range from 9 kHz to 3 GHz, and can output CW (continuous wave) signals, step, or list swept CW (by frequency/amplitude/both), and AM, FM, Φ M, and pulse modulations. It also provides a 20 Hz to 80 kHz low frequency output and an optional IQ modulator. For more details, please visit: <http://www.agilent.com/find/n9310a>
- **N9320A RF spectrum analyzer**
It covers a frequency range from 9 kHz to 3 GHz, and is able to display four traces and 12 markers for easy analysis. It also provides a one-button power measurement suite and an optional tracking generator. For more details, please visit: <http://www.agilent.com/find/n9320a>



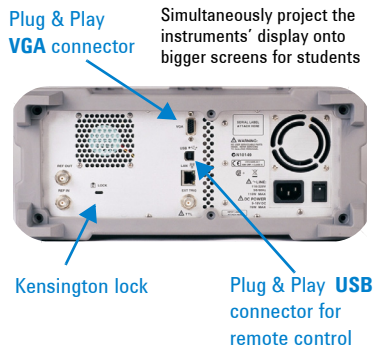
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Built-in educational performance

To ensure meeting your needs, Agilent has put a number of educational elements into the product design for the N9310A and N9320A.

- Intuitive user interface eases student learning
- Multi-language user interface erases the language barrier
- USB memory stick support makes file or data transfer easy
- SCPI (Standard Commands for Programmable Instrumentation) support provides an industry standard “English-like” syntax
- High resolution TFT color screen brings you bright and clear display visibility
- Optional rubber handle and bumpers provide rugged protection and convenience for carrying between labs
- Identical bench top form factor and compact size streamlines the appearance of your lab

Figure 1. N9320A rear panel overview



Agilent low cost series RF instruments Professional and cost effective for you

Learning how to use RF instrument and understanding how RF signal interact are fundamentals for electronics studies. N9310A and N9320A are the basic tools. They bring signal interactions to light for students and help explain signal related processes.

Now you have the opportunity to put the keen price/performance combination of Agilent RF instruments into your class or lab stations for your students.

N9310A ordering information

N9310A	RF signal generator
N9310A-001	Analog IQ modulator
N9310A-1CM	Rack mount kit
N9310A-1TC	Hard transit case
N9310A-1HB	Handle and bumper
N9310A-1PA	External attenuator

N9320A ordering information

N9320A	RF spectrum analyzer
N9320A-PA3	Preamplifier, 3 GHz
N9320A-1CM	Rack mount kit
N9320A-1TC	Hard transit case
N9320A-1HB	Handle and bumper
N9320A-TG3	Tracking generator, 3 GHz

Typical configuration

- N9310A
- N9310A-001
- N9320A
- N9320A-TG3



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(fax) (81) 426 56 7840

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(fax) 800 820 2816

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Countries:

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