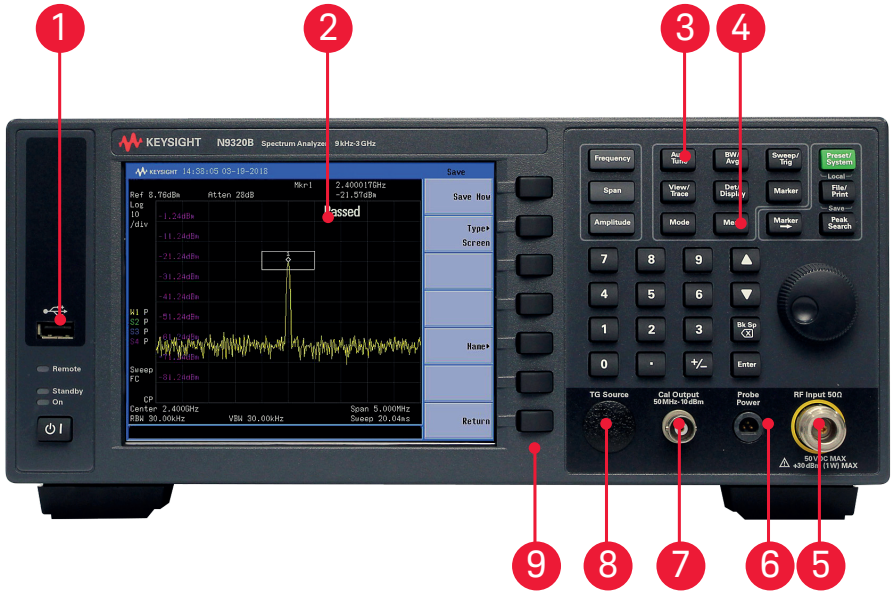
Product Fact Sheet

Keysight N9320B RF Spectrum Analyzer

Best-in-class performance, practical value



1. Standard LAN and USB connectivity
2. 6.5" color display with multi-language UI
3. Smart auto-tune automatically centers the signal
4. One-button power measurement
5. RF IN (Type-N female)
6. Probe power for high-impedance AC probes
7. CAL Out (BNC type, Female)
8. TG source output (Type-N female), requires Option TG3
9. Compact design (H x W x D): 132.5 x 320 x 400 mm (5.2 x 12.6 x 15.7 in)

Keysight Technologies, Inc. N9320B features maximize your productivity, minimize your cost

Professional performance secures your confidence in spectrum analysis

- Frequency range: 9 kHz to 3 GHz
- Minimum non-zero span sweep time: 10 ms
- Resolution bandwidth: 10 Hz to 1 MHz
- DANL: –148 dBm with preamp on
- Overall amplitude accuracy: ± 0.5 dB typical

Cost-effective tool for automated test projects

- SCPI remote command set complies with IEEE488.2
- Remote language compatibility with Keysight ESA-L Series spectrum analyzer and N9320A
- LAN, USB, and GPIB connectivity

Robust measurement features ensures your flexibility in RF tests

- One-button auto-tune quickly centers and reads out frequency and amplitude of the largest peak
- AM/FM tune and listen
- AM/FM, ASK/FSK demodulation analysis
- EMI filter (–6 dB): 200 Hz, 9 kHz, 120 kHz, 1 MHz

Accessibility and easy-of-use at your finger tips

- Multi-language graphic user interface
- Free remote control PC software
- Standard USB and LAN connectivity
- Customized power-on utility

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Application	Test case	Performance requirements	Keysight N9320B performance
Transmitter test	Tx power and frequency	High measurement accuracy	Overall amplitude accuracy ± 0.5 dB typical
		Fast measurement speed	10 ms non-zero span sweep time
Mixer/filter test	Distortion	High sensitivity	–148 dBm DANL with preamp MDR 3 > 80 dB
	Dynamic range	Wide dynamic range	
Amplifier test	IP3, 1 dB compression	High TOI and 1 dB compression	TOI: +13 dBm
			1 dB compression: +0 dBm
Mixer/filter test	Insertion loss, frequency response	Good frequency response and amplitude measurement accuracy	Frequency response: ± 0.8 dB
			Overall amplitude accuracy ± 0.5 dB typical
Interference monitor	Low level signal detecting	High sensitivity	–148 dBm DANL with preamp
Spurious emission	Spurious emission, radiation	Fast speed, high sensitivity	10 ms non-zero span sweep time
			–148 dBm DANL with preamp

Model	Description
N9320B	3 GHz RF spectrum analyzer
Options	**Description**
N9320B-PA3	3 GHz preamplifier
N9320B-TG3	3 GHz tracking generator
N9320B-G01	GPIB interface
N9320B-AMA	AM/FM demodulation metrics
N9320B-1CM	Rack mount kit
N9320B-1TC	Hard transit case
N9320B-EMF	EMI filter
N9320B-DMA	ASK/FSK demodulation metrics
Accessories shipped with each N9320B spectrum analyzer	
Quick start guide	
Documentation CD-ROM	
USB cable (A-B)	
N-BNC adapter	
BNC cable	
Power cord	

Keysight low-cost RF solution – Built to perform, priced to compete



N9310A RF signal generator

N9320B RF spectrum analyzer

Keysight RF teaching lab suite – Greater flexibility for your lab



Keysight Assurance Plans
www.keysight.com/find/AssurancePlans
Up to ten years of protection and no budgetary surprises to ensure your instruments are operating to specification, so you can rely on accurate measurements.

KEYSIGHT TECHNOLOGIES

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