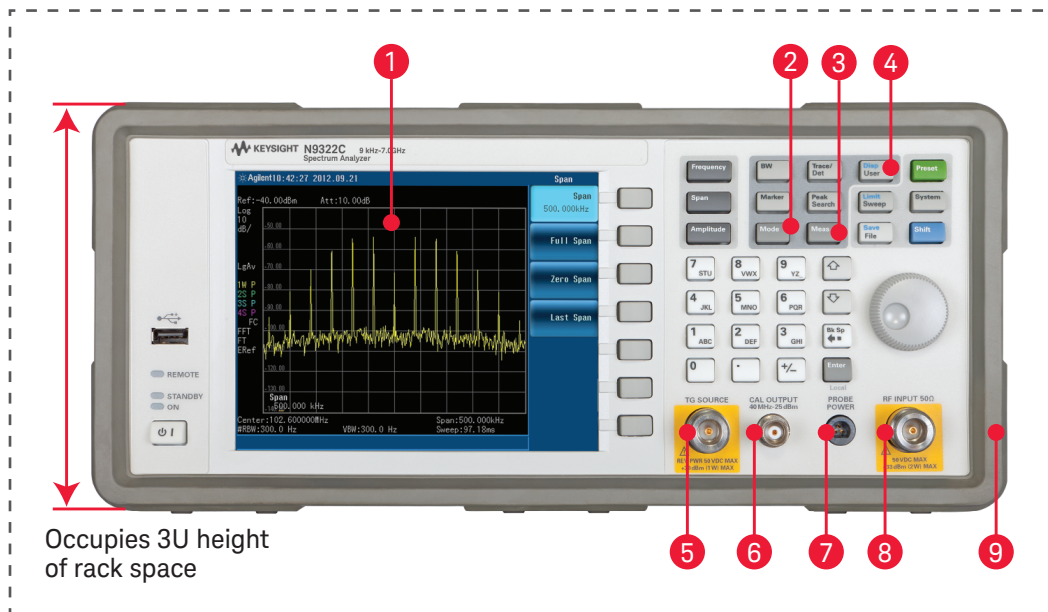


## Keysight N9322C Basic Spectrum Analyzer (BSA)

The Keysight Technologies, Inc. N9322C Basic Spectrum Analyzer (BSA) is easy on your budget  
Tough to beat performance, efficiency and simplicity



Build your RF bench for high efficiency with the value-priced N9322C BSA

Reliable performance provides you with RF measurement results

- Frequency range covers from 9 kHz to 7 GHz, with up to  $\pm 0.1$  ppm annual aging rate, reducing frequency drift for more accurate measurements
- Typical  $-162$  dBm DANL allows to view low-level signals easily and clearly
- Typical  $\pm 0.3$  absolute amplitude accuracy provides you with greater confidence in power measurement results

Value-added capabilities help you gain more insight during RF design and troubleshooting

- 7 GHz tracking generator with built-in VSWR bridge, supports transmission and reflection measurements
- Demodulation mode allows you to easily and cost-effectively gain more insight into AM/FM and ASK/FSK signal analysis
- Supports Keysight U2000 Series and U2020 X-Series USB power sensors for precision amplitude accuracy measurement
- Built-in DC input channel for AM/FM in-band, on-channel measurement, and xDSL measurement from 9 kHz to 10 MHz

Minimized learning curve enhances productivity

- User-definable softkeys provide quick access to 18 frequently used measurement setups, helping you easily switch from one task to another
- Task planner makes testing fast and easy by automating testing using pre-defined test routines
- SCPI commands compatible with ESA Series

1. 6.5" TFT color display with multiple language UI
2. Multiple measurement modes: Spectrum analyzer (default), tracking generator, reflection measurement, modulation analysis, and power meter mode
3. One button power suite: channel power, OBW, ACPR, SEM, channel scanner and spectrogram
4. User key for quick access to 18 frequently-used measurement configurations
5. 7 GHz tracking generator (including a built-in VSWR bridge)
6. 40 MHz calibration output
7. Probe power
8. RF input, 50  $\Omega$
9. Optional portable configuration (with handle and bumpers installed)

## Key specifications

Specification	Description
Frequency range	9 kHz to 7 GHz
Absolute amplitude accuracy	± 0.3 dB (preamplifier off); ± 0.4 dB (preamplifier on)
Frequency response (PA off)	± 0.7 dB (100 kHz to 3 GHz); ± 0.85 dB (3 to 4 GHz); ± 1.0 dB (4 to 7 GHz)
DANL (preamplifier on, normalized to 1 Hz)	
Frequency at 1 GHz	-162 dBm
Frequency at 4 GHz	-161 dBm
Frequency at 7 GHz	-154 dBm
Input attenuator	50 dB range, in 1 dB steps
TOI	+11 dBm
Sweep speed	2 ms to 1000 s (span > 100 Hz); 6 µs to 1000 s (span = 0 Hz)

## General specifications

Specification	Description
Operating temperature	5 to 45 °C
Nominal power consumption	25 W
Dimension (H x W x D)	132.5 x 320 x 400 (mm) 5.2 x 12.6 x 15.7 (inch)
Weight	7.6 kg
Calibration cycle	1 year

## Ordering information

Model/Option	Description
N9322C	Basic spectrum analyzer, 9 kHz to 7 GHz
P07	Preamplifier, 7 GHz
TG7	Tracking generator, 7 GHz
RM7	Reflection measurement (requires TG7)
G01	GPIB interface
AMA	AM/FM demodulation analysis
DMA	ASK/FSK demodulation analysis
TMG	Gated sweep
TPN	Task planner
SEC	Security features
MNT	Signal monitor with spectrogram
SCN	Channel scanner
PWM	U2000 Series power sensor support
PWP	U2020 X-Series power sensor support
BB1	Baseband input
PFR	Precision frequency reference



**Three-Year Warranty**  
[www.keysight.com/find/ThreeYearWarranty](http://www.keysight.com/find/ThreeYearWarranty)  
 Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

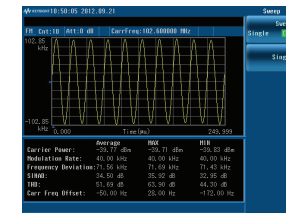


**Keysight Assurance Plans**  
[www.keysight.com/find/AssurancePlans](http://www.keysight.com/find/AssurancePlans)  
 Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

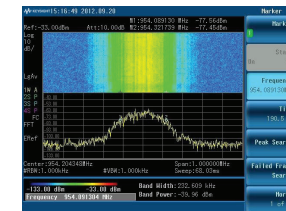
## Measurement features



Channel scanner



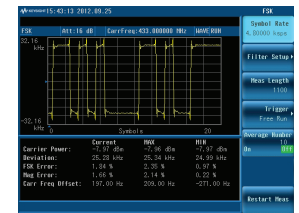
FM demodulation analysis



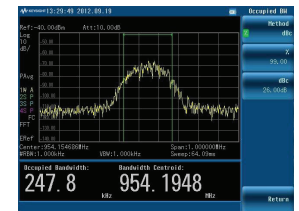
Spectrogram



Task planner



FSK demodulation analysis



Power suite - Occupied bandwidth

## Accessories shipped with each N9322C BSA:

- Documentation DVD
- USB cable
- N-BNC adapter
- BNC cable
- Power cord

This information is subject to change without notice.  
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