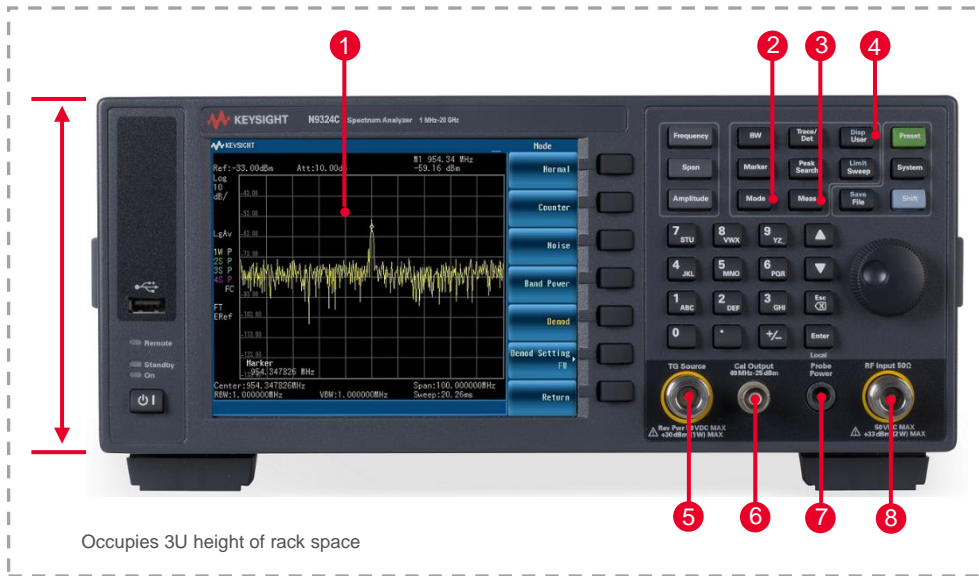


N932xC Basic Spectrum Analyzer (BSA)

Outperform expectations in your essential applications



Occupies 3U height of rack space

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. Tracking generator (including a built-in VSWR bridge*)
6. 40 MHz calibration output
7. Probe power
8. RF input, 50 Ω

Reliable performance to microwave frequency range

- Frequency covers from 9 kHz to 4/7 GHz or 1 MHz to 13.6/20 GHz, with up to ± 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 ± 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

- Tracking generator with built-in VSWR bridge, supports transmission and reflection measurements ¹
- Demodulation mode allows you to gain more insight easily and cost-effectively into AM/FM and ASK/FSK signal analysis
- Supports Keysight U2000 Series and U2020 X-Series USB power sensors for precision power measurement
- Built-in DC input channel for AM/FM in-band, on-channel measurement, and xDSL measurement from 9 kHz to 10 MHz ¹

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 Keysight ESA Spectrum Analyzer Series

1. VSWR bridge, reflection measurement, DC input channel are supported by N9321 and N9322C

Key specifications

| | N9321C | N9322C | N9323C | N9324C |
|--|---------------------------------|---------------------------|---------------------------|---------------------------|
| Frequency range | 9 kHz – 4 GHz | 9 kHz – 7 GHz | 1 MHz – 13.6 GHz | 1 MHz – 20 GHz |
| Reference aging rate | ± 1 ppm, ± 0.1 ppm (w/Opt. PFR) | | | |
| Absolute amplitude accuracy | ± 0.3 dB | | | |
| Displayed average noise level, 1 GHz (typical) | -162 dBm/Hz | -162 dBm/Hz | -154 dBm/Hz | -154 dBm/Hz |
| Resolution bandwidth | 10 Hz – 3 MHz | | | |
| Third-Order Intercept (TOI) | +11 dBm | +11 dBm | +9 dBm | +9 dBm |
| Input attenuator | 0 to 50 dB, in 1 dB steps | 0 to 50 dB, in 1 dB steps | 0 to 50 dB, in 5 dB steps | 0 to 50 dB, in 5 dB steps |
| Phase noise, 100 kHz offset | -98 dBc/Hz | -98 dBc/Hz | -97 dBc/Hz | -97 dBc/Hz |

Option information

| Option | Description | N9321C | N9322C | N9323C | N9324C |
|--------|---------------------------------------|--------|--------|--------|--------|
| P04 | Preamplifier, 4 GHz | √ | | | |
| P07 | Preamplifier, 7 GHz | | √ | | |
| P13 | Preamplifier, 13.6 GHz | | | √ | |
| P20 | Preamplifier, 20 GHz | | | | √ |
| TG4 | Tracking generator, 4 GHz | √ | | | |
| TG7 | Tracking generator, 7 GHz | | √ | √ | √ |
| RM4 | Reflection measurement (requires TG4) | √ | | | |
| 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 | √ | √ | √ | √ |

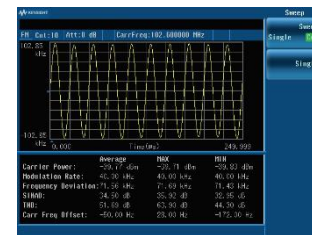
Measurement features



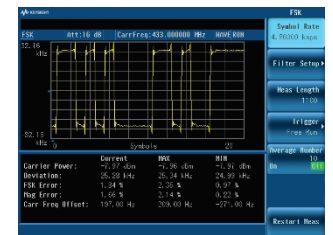
Channel scanner



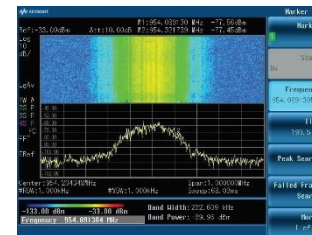
Task planner



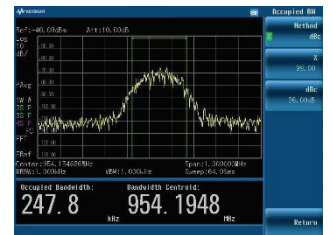
FM demodulation analysis



FSK demodulation analysis



Spectrogram



Power suite – Occupied bandwidth

Learn more at: www.keysight.com

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