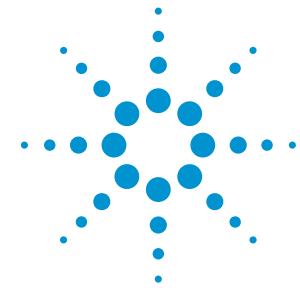


Agilent N9923A FieldFox Vector Network Analyzer (VNA)

World's most accurate handheld vector network analyzer

Agilent's FieldFox VNA is the only handheld network analyzer with QuickCal, a built-in calibration system that eliminates the hassle of carrying a calibration kit into the field. QuickCal solves the problem of making reliable measurements in the field by allowing users to correct drift errors caused by temperature and connection changes without the need for a calibration kit. The FieldFox VNA also provides the best measurement stability over temperature and time and is the only handheld network analyzer with full MIL Class 2 compliance with no exceptions.



Key measurements

- Full 2-port error corrected network analysis, S11, S21, S12, S22, with both magnitude and phase
- Cable and antenna test (distance to fault, return loss, etc.)
- Cable loss measurement (1-port)
- Insertion loss and transmission measurement.
- Smith chart and polar display
- Vector voltmeter
- Power meter with external USB power sensor

Key differentiators

- Built-in QuickCal technology enables calibration without a calibration kit.
- Best measurement stability over temperature and time.
- Industry's only handheld network analyzer with full MIL Class 2 compliance with no exceptions.
- Superior system dynamic range: 100 dB.
- Easy-to-use, task-driven user interface.
- Weather resistant, compact, field-friendly design, and no fans or vents.



Quick Fact Sheet

Agilent N9923A FieldFox Vector Network Analyzer (VNA)

Key specifications

Function	Description
Frequency	2 MHz to 4 GHz / 6 GHz
Directivity	> 42 dB
System dynamic range	100 dB typical
Trace noise	0.01 dB rms
Source power	+5 to -40 dBm
Internal storage	Minimum 16 MB, up to 1000 traces
External storage	1 x microSD card and 2 x USB 2.0
Connectivity	2 x USB 2.0, 1 x mini-USB, 1x LAN
Display	Bright 6.5" color anti-glare LCD
Environment	Meets MIL-PRF-28800F Class 2 specification
Temperature	Operating -10 °C to +55 °C, non-operating: -51 °C to 71 °C
Battery	Lithium Ion, 3.5 hours operating time, field replaceable
Dimension	11.5" x 7.4" x 2.8" (292 mm x 188 mm x 72 mm)
Weight	Lightweight 6.0 lbs / 2.7 kg including battery
GPS	Enables operators to find exact locations and time/location stamp their reports.

Options

The FieldFox base unit consists of a 4 GHz network analyzer.

The following accessories are included: AC/DC adapter, 1 battery, soft carrying case, LAN cable, and Quick Reference Guide.

Model	Description
Option 104	4 GHz network analyzer (transmission/reflection)
Option 106	6 GHz network analyzer (transmission/reflection)
Option 112	QuickCal
Option 122	Full 2-port S-parameters
Option 302	External USB power sensor support
Option 305	Cable and antenna analyzer
Option 308	Vector voltmeter

Accessories (more under N9910X)

Model	Description
N9910X-800	T-Calibration kit, DC-6 GHz, Type N (m)
N9910X-801	T-Calibration kit, DC-6 GHz, Type N (f)
N9910X-802	T-Calibration kit, DC-6 GHz, Type 7/16 DIN (m)
N9910X-803	T-Calibration kit, DC-6 GHz, Type 7/16 DIN (f)
85514A	4-in-1 OSLT Mechanical Calibration Kit, DC to 9 GHz, Type-N (m), 50 Ω
85515A	4-in-1 OSLT Mechanical Calibration Kit, DC to 9 GHz, Type-N (f), 50 Ω
N9910X-814	Rugged phase-stable cable, Type-N (m) to 7/16 (m), 60 inch or 1.5 m 600
N9910X-815	Rugged phase-stable cable, Type-N (m) to 7/16 (m), 12 ft or 3.6 m
N9910X-816	Rugged phase-stable cable, Type-N (m) to Type-N (f), 3.28 ft or 1 m
N9910X-817	Rugged phase-stable cable, Type-N (m) to Type-N (m), 3.28 ft or 1 m
N9910X-870	Extra battery
N9910X-872	External battery charger
N9910X-873	AC/DC adapter
N9910X-874	External bias tee, 2.5 MHz to 6 GHz, 1 W, 0.5 A
N9910X-875	DC car charger and adapter
N9910X-881	Hard transit case

Recommended service options

Additional two years of Return-to-Agilent warranty

Additional two years of Return-to-Agilent calibrations

For more information go to www.agilent.com/find/removealldoubt

