

Keysight FieldFox Microwave Vector Network Analyzers, 9/14/18/26.5 GHz

Delivers Benchtop Accuracy and MIL-Spec Durability to Field Applications

FieldFox Vector Network Analyzer

FieldFox brings bench-level accuracy into the field by delivering precise hand-held microwave measurements that agree with benchtop analyzers. FieldFox VNAs provide full two-port S-parameter measurements with the most accurate calibration technique (full 2-port unknown thru), best trace noise (+0.004 dB up to 20 GHz over -10 to +55 °C) and 100 dB dynamic range. The VNAs also offer an industry-first QuickCal function, which enables hassle-free calibration without external accessories.



Key features

- Full 2-port vector network analyzer (all 4 S-parameters magnitude and phase)
- Cable and antenna analyzer (return loss/distance-to-fault)
- CalReady, QuickCal, and Keysight mechanical cal kits supported
- Time domain analysis with gating
- Built-in power meter
- Vector voltmeter
- Built-in GPS receiver

Key differentiators

- Rugged and weather resistant:
 - Meets MIL-PRF-28800F Class 2, no vents or fans, wide operating temp of -10 to +55 °C (14 to 131 °F)
 - Meets IEC/EN 60529 IP53 requirements
 - Type tested and meets Procedure 1 requirements for operation in explosive environments. MIL-810G, Method 511.5
- Portable:
 - Compact, light-weight 3.0 kg (6.6 lbs) package
- Vector network analyzers:
 - QuickCal and CalReady allow accurate testing of cable and antenna systems without the use of external calibration kits
 - Vector network analyzer with innovative unknown thru cal provides accuracy for non-insertable device characterization
 - Standard 3 year warranty

Function	Description
Cable antenna analyzer and vector network analyzer	
Frequency	30 kHz to 9 GHz, 14 GHz, 18 GHz, 26.5 GHz
Dynamic range	Up to 100 dB
Output power	Up to +1 dBm
General	
Environmental	Meets MIL-PRF-28800F Class 2
Temperature	Operating: -10 to +55 °C (14 to 131 °F)
Dimensions and weight	11.5" x 7.4" x 2.8" (292 x 188 x 72 mm), < 3.0 kg (6.6 lbs) with battery

FieldFox Microwave Vector Network Analyzer Options

The FieldFox base unit consists of VNA transmission/reflection, the following accessories are included: AC/DC adapter, 1 battery, soft carrying case, LAN cable, quick reference guide and user guide.

Model number	Frequency	Description
N9925A	9 GHz	FieldFox microwave vector network analyzer
N9926A	14 GHz	FieldFox microwave vector network analyzer
N9927A	18 GHz	FieldFox microwave vector network analyzer
N9928A	26.5 GHz	FieldFox microwave vector network analyzer

www.keysight.com/find/FieldFox

Three-Year Warranty

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

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.



Model number	Description
Option 010	Vector network analyzer time domain
Option 030	Remote control compatibility
Option 112	QuickCal
Option 208	USB power sensor measurements versus frequency
Option 211	Vector network analyzer: full 2-port S-parameters
Option 212	Mixed mode S-parameters
Option 302	External USB power sensor support (U2000 sensor sold separately)
Option 307	Built-in GPS (antenna sold separately)
Option 308	Vector voltmeter
Option 309	DC bias variable-voltage source
Option 310	Built-in power meter
Option 330	Pulse measurements (with external peak power sensor)

N9910X	FieldFox accessories: Adapters, antennas, cables, etc.
N9911X	Economical waveguide calibration components