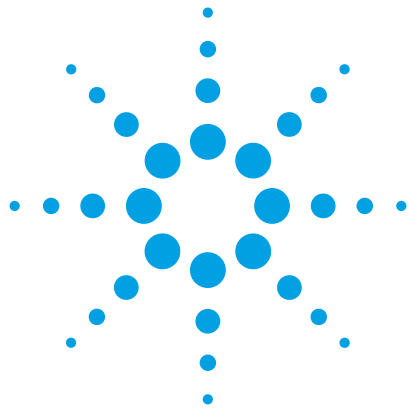


# Agilent N9912A FieldFox RF Analyzer

The World's Most Integrated RF Analyzer



## Features:

1. Connector covers help keep dust out
2. Anti-glare 6.5 inch LCD display with LED backlight
3. Convenient side strap makes it easy to hold and carry
4. Task-driven keys are grouped to easily and naturally perform standard field measurements
5. Portrait design and large buttons for easy operation – even with gloves on
6. Dedicated marker keys for quick marker function access
7. Backlit keypad
8. Easily accessible battery compartment
9. LAN port for fast data transfer
10. SD flash card slot for additional data storage
11. USB ports for convenient data transfer



## Key measurements:

- Cable and antenna test (distance to fault, return loss etc.)
- Cable loss measurement
- Insertion loss and transmission measurement
- Spectrum analyzer
- Interference analyzer, spectrogram, waterfall display, record and playback
- Channel power, adjacent channel power, and occupied bandwidth
- GSM, WCDMA, LTE, TD-SCDMA, cdma2000® power suite measurements
- AM/FM tune and listen
- Power meter with USB power sensor
- Vector network analyzer with Smith chart and polar chart displays
- Vector voltmeter, Agilent/HP 8508A cable trimming application

Lightweight:  
6.2 lbs (2.8 kg)  
including battery



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## FieldFox key specifications

Function	Description
<b>Cable and antenna analyzer</b>	
Frequency	2 MHz to 6 GHz
Speed	Less than 1.5 ms per point, up to 1001 points
Directivity	> 42 dB
Dynamic range	72 dB
<b>Spectrum analyzer</b>	
Frequency	100 kHz to 6 GHz
Speed	750 ms (span: 20 MHz) RBW: 3 kHz, VBW: 3 kHz, 1 second full span (6 GHz)
DANL	-148 dBm
Phase noise	-88 dBc @ 10 kHz
TOI	-96 dBc, +18 dBm
<b>Internal storage</b>	Minimum 16 MB, up to 1000 traces
<b>External storage</b>	1 x mini SD slot and 2 x USB 2.0
<b>Connectivity</b>	2 x USB 2.0; 1 x mini USB; 1 x LAN
<b>Display</b>	Bright 6.5" color anti-glare LCD
<b>Environmental</b>	Meets MIL-PRF-28800F Class 2 specification
<b>Temperature</b>	OPERATING: -10 ° C to +55 ° C, NON-OPERATING: -51 ° C to +71 ° C
<b>Internal battery</b>	Lithium Ion, 4 hours operating time. Replace easily in the field without tools.
<b>Dimensions</b>	11.5" X 7.4" X 2.8" (292 X 188 X 72 mm)
<b>Weight</b>	Lightweight 6.2 lbs/2.8 kg including battery

The FieldFox base unit consists of a 4 GHz cable and antenna analyzer. The following accessories are included as standard:

AC/DC adapter  
Soft carrying case  
Battery  
Quick Reference Guide  
User manual  
CD ROM with FieldFox DataLink Software

## FieldFox options

Model No.	Description
<b>Option 104</b>	4 GHz cable and antenna analyzer. This option is standard in the base price.
<b>Option 106</b>	6 GHz cable and antenna analyzer
<b>Option 110</b>	Transmission measurement (for insertion loss or gain measurement)
<b>Option 111</b>	QuickCal
<b>Option 230</b>	4 GHz spectrum analyzer (requires Option 104)
<b>Option 231</b>	6 GHz spectrum analyzer (requires Option 106)
<b>Option 235</b>	Pre-amplifier for spectrum analyzer (requires Option 230 or 231)
<b>Option 236</b>	Interference analyzer (requires Option 230 or 231)
<b>Option 302</b>	External USB power sensor support
<b>Option 303</b>	Network analyzer capability
<b>Option 308</b>	Vector voltmeter

Technical data subject to change without notice.

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## FieldFox Accessories (N9910X)

Model No.	Description
<b>N9910X-800</b>	T-Calibration Kit, DC-6 GHz, Type-N(m)
<b>N9910X-801</b>	T-Calibration Kit, DC-6 GHz, Type-N(f)
<b>N9910X-802</b>	T-Calibration Kit, DC-6 GHz, 7/16 DIN(m)
<b>N9910X-803</b>	T-Calibration Kit, DC-6 GHz, 7/16 DIN(f)
<b>N9910X-810</b>	Rugged phase stable cable, Type-N (m) to Type-N(m), 5 ft
<b>N9910X-811</b>	Rugged phase stable cable, Type-N (m) to Type-N(f), 5 ft
<b>N9910X-812</b>	Rugged phase stable cable, Type-N (m) to Type-N(m), 12 ft
<b>N9910X-813</b>	Rugged phase stable cable, Type-N (m) to Type-(f), 12 ft
<b>N9910X-820</b>	Antenna, directional, multiband, 800-2500 MHz, 10 dBi
<b>N9910X-821</b>	Antenna, telescopic whip, 70 MHz - 1 GHz
<b>N9910X-843</b>	Coaxial adapter, Type-N(m) to 7/16 DIN(f)
<b>N9910X-845</b>	Adapter kit – Type-N(f) to 7/16(f), Type-N(f) to 7/16(m), Type-N(f) to Type-N(f)
<b>N9910X-860</b>	Fixed attenuator, 40 dB, 100 W, DC-3 GHz, Type-N(m) to Type-N(f)
<b>N9910X-861</b>	Fixed attenuator, 40 dB, 50 W, DC-8.5 GHz, Type-N(m) to Type-N(f)
<b>N9910X-870</b>	Extra battery
<b>N9910X-872</b>	External battery charger
<b>N9910X-873</b>	AC/DC adapter
<b>N9910X-874</b>	External bias-tee, 2.5 MHz to 6 GHz, 1 W, 0.5 A
<b>N9910X-881</b>	Hard transit case

### Key differentiators:

- Integrated QuickCal calibrates without a calibration kit
- Immediate calibration with CalReady
- 50 percent faster than traditional handheld instruments
- Superior dynamic range (96 dB) and sensitivity (-148 dBm) in the spectrum analyzer mode; high dynamic range ideal for interference detection

### Optimized for the following applications:

- Wireless service providers
- Aerospace and defense customers
- TV and broadcasting customers
- Contractor for the above

View a FieldFox demo, read the specs, and more at: [www.agilent.com/find/fieldfox](http://www.agilent.com/find/fieldfox)

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