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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N9915C

Agilent / Keysight N9915C FieldFox Handheld RF Analyzer The Keysight (Agilent) N9915C isaFieldFox C-Series handheld RF combination analyzer. OEM FieldFox C-Series data sheets list frequency coverage 3 kHz to 10 GHz with frequency reference accuracy plus or minus 0.9 ppm (spec) plus aging from minus 10 to 55 C. Cable and antenna test, vector network analysis, spectrum analysis, and field RF maintenance depending on installed options. GPS-disciplined frequency reference option path The Keysight (Agilent) N9915C isaFieldFox C-Series handheld RF combination analyzer. OEM FieldFox C-Series data sheets list frequency coverage 3 kHz to 10 GHz with frequency reference accuracy plus or minus 0.9 ppm (spec) plus aging from minus 10 to 55 C. Cable and antenna test, vector network analysis, spectrum analysis, and field RF maintenance depending on installed options. GPS-disciplined frequency reference option path Frequency Reference Accuracy Spec: plus or minus 0.9 ppm + aging (minus 10 to 55 C)



MODEL

**Agilent / Keysight
N9915C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N9915C

LISTING

<https://aumictechlabs.com/products/n9915c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N9915C FieldFox is a handheld combination analyzer integrating cable and antenna analysis, spectrum analysis, and vector network analysis into a single portable instrument. Weighing 3.4 kg, it delivers field-grade performance across 3 kHz to 10 GHz with software-defined architecture enabling selective capability upgrades. The unit meets MIL-PRF-28800F Class 2, MIL-STD-810G, and IEC/EN 60529 standards, with water-resistant chassis rated for

explosive environments. Its modular design supports optional VNA and spectrum analyzer functions alongside standard CAT capability.

Technical Specifications

Frequency Coverage
Spectrum Analyzer: 3 kHz to 10 GHz
Cable/Antenna Analyzer and VNA: 5 kHz to 10 GHz
Real-time bandwidth: Up to 120 MHz gap-free
Selectable analysis bandwidth: 10 MHz, 40 MHz, 120 MHz

Network Analysis Performance
Simultaneous measurement of all four S-parameters
System dynamic range: >104 dBc to 115 dB
Mixed-mode S-parameter support
Time-domain VNA analysis and TDR cable measurements
Vector voltmeter functionality

Spectrum Analysis Performance
Frequency accuracy: ± 0.15 dB or ± 0.3 dB without warmup
Display average noise level: -160 dBm (3 kHz to 6.5 MHz)
Third-order intercept: +10 dBm at 1 GHz
Trace noise: 0.0011 dB at 1 GHz
Phase noise: -105 dB at 10 kHz offset

Cable and Antenna Analysis
Return loss, DTF (dB, linear, VSWR), and 1-port cable loss measurements

Signal Generation and Power Measurement
Built-in pulse signal generator to 54 GHz (Option 357)
CW signal generation with AM/FM, FSK, and BPSK modulation
User-defined pulse sequences
USB power sensor support with frequency-dependent measurements
Optional built-in power meter and pulse measurement capability

Key Features
Software-defined architecture with field-upgradeable licenses
Water-resistant keypad and case for field deployment
Single-instrument solution eliminating multiple analyzers
Over-the-air measurement support

Typical Applications
RF field testing, antenna characterization, cable integrity verification, network diagnostics, and on-site maintenance across telecommunications, aerospace, and defense environments.

N9915C Characteristics / Specifications

PARAMETER	VALUE
Model	N9915C
Frequency Range	3 kHz to 10 GHz
Frequency Reference Accuracy Spec	plus or minus 0.9 ppm + aging (minus 10 to 55 C)
Frequency Reference Accuracy Typical	plus or minus 0.5 ppm + aging
Frequency Accuracy Locked To GPS	plus or minus 0.010 ppm
Frequency Accuracy GPS Antenna Disconnected	plus or minus 0.4 ppm nominal
Aging Rate	plus or minus 1 ppm/yr for 20 years (spec) will not exceed plus or minus 3.5 ppm
Frequency Resolution 3 kHz To 1.49961 GHz	0.67 Hz
Frequency Resolution 1.49961 To 2.99961 GHz	1.34 Hz
Frequency Resolution 2.99961 To 5.99961 GHz	1.34 Hz
Frequency Resolution 5.99961 GHz To 10 GHz	2.68 Hz
Data Points Class	101 to 10001 points including 4001 and 10001
IF Bandwidth Class VNA	3 Hz to 100 kHz stepped set
System Impedance	50 ohm nominal
Platform	FieldFox C-Series handheld analyzer
SA Option Path Class	Option 233 spectrum analysis when licensed
Battery Operation	yes
Operating Temperature Class	minus 10 C to 55 C FieldFox class
Connectivity Class	USB and LAN
Brand Lineage	Agilent / Keysight
Instrument Type	FieldFox RF combination analyzer
Display	handheld daylight-viewable display

PARAMETER	VALUE
Bandwidth	Class VNA: 3 Hz to 100 kHz stepped set
Operating temperature	Class: minus 10 C to 55 C FieldFox class

N9915C Specifications

PARAMETER	VALUE
Agilent / Keysight N9915C FieldFox Handheld RF Analyzer	Overview
Key Features	Frequency coverage 3 kHz to 10 GHz
Technical Specifications	Model: N9915C
Notes	From Keysight FieldFox Handheld Analyzers C-Series data sheet model row for N9915C.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: minus 10 C to 55 C FieldFox class
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Connectivity Class	USB and LAN
Brand Lineage	Agilent / Keysight
Instrument Type	FieldFox RF combination analyzer
Display	handheld daylight-viewable display Notes From Keysight FieldFox Handheld Analyzers C-Series data sheet model row for N9915C.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From Keysight FieldFox Handheld Analyzers C-Series data sheet model row for N9915C.

Ordering Information

OPTION	DESCRIPTION
Option 233	spectrum analysis when licensed

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.