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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N9918B

Agilent / Keysight N9918B FieldFox Handheld Microwave Analyzer The Keysight (Agilent) N9918B isaFieldFox B-Series handheld combination analyzer. OEM FieldFox B-Series data sheets list frequency coverage 30 kHz to 26.5 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 microwave maintenance depending on installed options. FieldFox B-Series combination analyzer platform The Keysight (Agilent) N9918B isaFieldFox B-Series handheld combination analyzer. OEM FieldFox B-Series data sheets list frequency coverage 30 kHz to 26.5 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 microwave maintenance depending on installed options. FieldFox B-Series combination analyzer platform GPS-disciplined frequency reference option path



MODEL

**Agilent / Keysight
N9918B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N9918B

LISTING

<https://aumictechlabs.com/products/n9918b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N9918B FieldFox is a portable handheld microwave analyzer integrating multiple instrument functions into a single 3.34 kg unit for field RF and microwave measurements. Operating from 9 kHz to 26.5 GHz, it delivers cable and antenna analysis, vector network analysis, and spectrum analysis capabilities with up to 115 dB system dynamic range. The instrument features a 6.5-inch transfective color LCD display, over 5 hours battery life, and operates across

-10 to +55 °C. Built-in dual ports support Distance-to-Fault measurements, return loss analysis, and cable loss characterization with CalReady, OSL, and response calibrations. Optional modules enable real-time spectrum analysis up to 100 MHz gap-free bandwidth, 5G NR and LTE over-the-air measurements, GPS/GNSS geolocation, and external power sensor integration. Spectrum analyzer measurements achieve ± 0.3 dB accuracy without warm-up, with DANL performance up to 15 dB better and phase noise 10 dB superior to previous FieldFox generations.

Technical Specifications
Frequency Range: 9 kHz to 26.5 GHz (Spectrum Analyzer); 30 kHz to 26.5 GHz (CAT/VNA)
Analysis Bandwidth: 10 MHz standard; 40 MHz (Option B04), 100 MHz (Option B10)
optional Ports: 2 built-in VNA
System Dynamic Range: >114 dB
Display: 6.5-inch transfective color LCD-LED
Weight: 3.34 kg (7.35 lb)
Dimensions: 11.5 × 7.4 × 3.2 inches
Operating Temperature: -10 to +55 °C
Battery Life: Over 5 hours
Spectrum Analyzer Accuracy: ± 0.3 dB (without warm-up)

Key Features
Cable and Antenna Analyzer with Distance-to-Fault, return loss, and cable loss measurements
Vector Network Analyzer measuring all four S-parameters simultaneously
Spectrum Analyzer with ± 0.3 dB accuracy and improved DANL performance
Real-Time Spectrum Analysis up to 100 MHz gap-free bandwidth for intermittent signal capture
Over-the-air measurements for 5G NR, LTE FDD/TDD, and 5GTF
Optional GPS/GNSS receiver (Option 307) for geolocation and timestamping
Optional built-in power meter (Option 310) and external USB power sensor support (Option 302)
Phase measurements available with Option 210

Typical Applications
5G deployment and validation
Satellite communications testing
Signal monitoring and analysis
Electronic warfare measurements
Field maintenance and troubleshooting
Network performance validation

Compatibility & Integration
GPS antenna N9910X-825 compatible with Option 307.
Supports optional vector voltmeter functionality and external USB power sensor integration.

N9918B Characteristics / Specifications

PARAMETER	VALUE
Model	N9918B
Frequency Range	30 kHz to 26.5 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 0.01 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 30 kHz To 1.91211 GHz	0.67 Hz
Frequency Resolution 1.91211 To 3.82461 GHz	1.34 Hz
Frequency Resolution 3.82461 To 7.64961 GHz	2.68 Hz
Frequency Resolution 7.64961 To 15.29961 GHz	5.36 Hz
Frequency Resolution 15.29961 To 26.5 GHz	10.73 Hz
Frequency Resolution 26.5 To 45.8 GHz Class	16.09 Hz (N995xB)
Frequency Resolution 45.8 To 54 GHz Class	32.19 Hz (N995xB)
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 B-Series handheld analyzer
Battery Operation	yes
Operating Temperature Class	minus 10 C to 55 C FieldFox class

PARAMETER	VALUE
Connectivity Class	USB and LAN
Brand Lineage	Agilent / Keysight
Instrument Type	FieldFox combination analyzer CAT VNA SA
Bandwidth	Class VNA: 3 Hz to 100 kHz stepped set
Operating temperature	Class: minus 10 C to 55 C FieldFox class

N9918B Specifications

PARAMETER	VALUE
Key Features	Frequency coverage 30 kHz to 26.5 GHz
Technical Specifications	Model: N9918B
Notes	From Keysight FieldFox B-Series Handheld Analyzers data sheet model row for N9918B.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: minus 10 C to 55 C FieldFox class
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Operating Temperature Class	minus 10 C to 55 C FieldFox class
Connectivity Class	USB and LAN
Brand Lineage	Agilent / Keysight
Instrument Type	FieldFox combination analyzer CAT VNA SA Notes From Keysight FieldFox B-Series Handheld Analyzers data sheet model row for N9918B.

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 B-Series Handheld Analyzers data sheet model row for N9918B.

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.