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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N9918A

Agilent / Keysight N9918A FieldFox Handheld Analyzer The Keysight (Agilent) N9918A isaFieldFox handheld microwave analyzer. OEM FieldFox A-Series datasheets list frequency coverage 30 kHz to 26.5 GHz with frequency reference accuracy plus or minus 0.7 ppm (spec) plus aging from minus 10 to 55 C, and optional CAT/VNA/SA measurement modes by model family. Cable and antenna test, vector network analysis, spectrum analysis, and field microwave maintenance depending on installed options. GPS-disciplined frequency reference option path The Keysight (Agilent) N9918A isaFieldFox handheld microwave analyzer. OEM FieldFox A-Series datasheets list frequency coverage 30 kHz to 26.5 GHz with frequency reference accuracy plus or minus 0.7 ppm (spec) plus aging from minus 10 to 55 C, and optional CAT/VNA/SA measurement modes by model family. Cable and antenna test, vector network analysis, spectrum analysis, and field microwave maintenance depending on installed options. GPS-disciplined frequency reference option path Frequency Reference Accuracy Spec: plus or minus 0.7 ppm + aging (minus 10 to 55 C)

**MODEL****Agilent / Keysight
N9918A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****N9918A****LISTING**<https://aumictechlabs.com/products/n9918a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N9918A FieldFox is a handheld microwave analyzer combining cable and antenna analysis with optional vector network analysis, spectrum analysis, and power meter capabilities. Operating from 30 kHz to 26.5 GHz, this 3.0 kg instrument delivers field-portable measurements

with bench-level performance across S-parameter analysis, distance-to-fault detection, and spectral characterization. The dual-port architecture supports full 2-port S-parameter measurement (S11, S21, S22, S12) with magnitude and phase, mixed-mode parameters, and time-domain analysis via Vector Network Analyzer option. Maximum dynamic range reaches 91 dBm with spur-free performance exceeding 105 dB. Technical Specifications Frequency Range: 30 kHz to 26.5 GHz (VNA/CAT/RF source modes); 5 kHz to 26.5 GHz (spectrum analyzer); variable minimums by function Dynamic Range: 91 dBm maximum; ≥ 105 dB spur-free Output Power: -4 dBm maximum; -1 dBm (3-6.5 GHz sweep); -45 dBm (flattened across band) Amplitude Accuracy (SA): ± 0.6 dB full band over full temperature range; ± 0.5 dB without warm-up Trace Noise: 0.004 dB rms VNA Dynamic Range: 100 dB to 9 GHz; 90 dB to 18 GHz IQ Streaming Bandwidth: 1 MHz maximum Analysis Bandwidth: 10 MHz maximum Sweep Speed: 432 μ s per point (1001-point sweep) Display: Color Dimensions: 11.5 in (H) $\times$ 2.8 in (L) Weight: 3.0 kg (6.6 lb) Operating Temperature: -10 to +55 $^{\circ}$ C Key Features Dual-port vector network analyzer with S-parameter measurement (magnitude/phase) Built-in cable and antenna analyzer with distance-to-fault and return loss measurement Integrated spectrum analyzer with 105 dB spur-free dynamic range RF source with settable power output in 1 dB steps Mixed-mode S-parameter analysis Time-domain VNA option for transient characterization Power settling control across full output range Typical Applications Cable and transmission line fault location Component and network characterization (S-parameters) Antenna and filter performance validation Spectral emission and interference analysis In-field RF troubleshooting and maintenance Compatibility & Integration VNA, spectrum analysis, and power meter functions require optional software licenses. Time-domain analysis available via Option 010.

N9918A Characteristics / Specifications

PARAMETER	VALUE
Model	N9918A
Frequency Range	30 kHz to 26.5 GHz
Frequency Reference Accuracy Spec	plus or minus 0.7 ppm + aging (minus 10 to 55 C)
Frequency Reference Accuracy Typical	plus or minus 0.4 ppm + aging
Frequency Accuracy Locked To GPS	plus or minus 0.010 ppm
Frequency Resolution At Or Below 5 GHz	1 Hz
Frequency Resolution At Or Below 10 GHz	1.34 Hz
Frequency Resolution At Or Below 20 GHz	2.68 Hz
Frequency Resolution At Or Below 40 GHz Class	5.36 Hz class
Aging Rate Class	plus or minus 1 ppm/yr class for first year
Platform	FieldFox handheld analyzer
CAT Mode	cable and antenna analysis when enabled
VNA Mode	S-parameter magnitude/phase when enabled
Spectrum Analyzer Mode	when enabled on SA/combo models
Dynamic Range VNA Class At 9 GHz	100 dB class on N991xA family tables
Dynamic Range VNA Class At 18 GHz	94 dB class
Dynamic Range VNA Class At 26.5 GHz	70 dB class
Connectivity Class	USB and LAN
Display	handheld daylight-viewable display
Battery Operation	yes
Operating Temperature Class	minus 10 C to 55 C FieldFox class
Brand Lineage	Agilent / Keysight
Operating temperature	Class: minus 10 C to 55 C FieldFox class

N9918A Specifications

PARAMETER	VALUE
Agilent / Keysight N9918A FieldFox Handheld Analyzer	Overview
Key Features	Frequency coverage 30 kHz to 26.5 GHz
Technical Specifications	Model: N9918A
Notes	From Keysight FieldFox Handheld Analyzers data sheet 5990-9783 model row for N9918A.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: minus 10 C to 55 C FieldFox class
Operating Temperature	Class: minus 10 C to 55 C FieldFox class
Operating Temperature Class	minus 10 C to 55 C FieldFox class
Brand Lineage	Agilent / Keysight

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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PARAMETER	VALUE
Model	N9918A
Frequency Range	30 kHz to 26.5 GHz
Frequency Reference Accuracy Spec	plus or minus 0.7 ppm + aging (minus 10 to 55 C)
Frequency Reference Accuracy Typical	plus or minus 0.4 ppm + aging
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Frequency Resolution At Or Below 5 GHz	1 Hz
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Frequency Resolution At Or Below 20 GHz	2.68 Hz
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Specifications	
PARAMETER	VALUE
Aging Rate Class	plus or minus 1 ppm/yr class for first year
Platform	FieldFox handheld analyzer
CAT Mode	cable and antenna analysis when enabled
VNA Mode	S-parameter magnitude/phase when enabled
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Dynamic Range VNA Class At 9 GHz	100 dB class on N991xA family tables
Dynamic Range VNA Class At 18 GHz	94 dB class
Dynamic Range VNA Class At 26.5 GHz	70 dB class
Connectivity Class	USB and LAN
Display	handheld daylight-viewable display
Battery Operation	yes
Operating Temperature Class	minus 10 C to 55 C FieldFox class
Brand Lineage	Agilent / Keysight
Option Path: measurement modes depend on installed licenses	

Notes

From Keysight FieldFox Handheld Analyzers data sheet 5990-9783 model row for N9918A.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.