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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N9915B

Agilent / Keysight N9915B FieldFox Handheld Microwave Analyzer The Keysight (Agilent) N9915B isaFieldFox B-Series handheld combination analyzer. OEM FieldFox B-Series data sheets list frequency coverage 30 kHz to 9 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) N9915B isaFieldFox B-Series handheld combination analyzer. OEM FieldFox B-Series data sheets list frequency coverage 30 kHz to 9 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
N9915B****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****N9915B****LISTING**<https://aumictechlabs.com/products/n9915b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N9915B FieldFox is a handheld microwave analyzer engineered for field-deployed RF and microwave measurements. This ruggedized unit consolidates cable and antenna analysis, vector network analysis, spectrum analysis, and optional signal measurement functions into a single portable instrument, enabling efficient maintenance, commissioning, and fault diagnosis across 30 kHz to 9 GHz. Technical Specifications Frequency Coverage Cable and Antenna

Analysis (CAT) and Vector Network Analysis (VNA): 30 kHz to 9 GHz Spectrum Analysis (SA): 9 kHz to 9 GHz (optional) VNA Performance Dynamic range (all four S-parameters): up to 115 dB or 117 dB Output power: typical +1 dBm Spectrum Analyzer Performance Absolute amplitude accuracy: ± 0.2 dB or ± 0.3 dB (without warmup) Trace noise (RMS): 0.0008 dB Gap-free, real-time bandwidth: 100 MHz or 120 MHz Physical Dimensions: 292 mm (H) $\times$ 188 mm (W) $\times$ 82 mm (D) Weight: 3.4 kg (7.4 lb) Display: 6.5" anti-glare LCD with LED backlight Environmental rating: Ruggedized, meets MIL-specs Power: Rechargeable Li-ion battery Connectors & Interfaces Test ports: Type-N (f) or 3.5 mm (m) on N995xB models Data storage: SD flash card Connectivity: USB and LAN port External reference and trigger output available Optional GPS/GNSS receiver (Option 307) Key Features Modular measurement architecture: CAT standard, optional VNA, SA, power meter, vector voltmeter, RTSA, OTA (5G NR/LTE), TDR, DTF, and pulse measurements (Option 330) Integrated Vector Signal Analysis software (89600 VSA) compatibility Mechanical calibration kit and Keysight USB ECal module support USB peak power sensor integration for pulse characterization Typical Applications Cable and transmission line validation in field installations Network analyzer measurements to 9 GHz without bench equipment Over-the-air 5G NR and LTE signal verification Time domain reflectometry for fault localization Real-time spectrum surveillance and occupancy analysis Compatibility & Integration The N9915B accepts standard HP/Agilent/Keysight mechanical calibration kits and all Keysight USB ECal modules. PathWave Vector Signal Analysis (89600 VSA) software extends measurement capability. Keysight USB peak power sensors enable optional pulse analysis. Status: Discontinued but currently supported. Replacement model: N9915C FieldFox C, 10 GHz.

N9915B Characteristics / Specifications

PARAMETER	VALUE
Model	N9915B
Frequency Range	30 kHz to 9 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

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 N9915B. Discontinued models replaced by corresponding N99xxC Series per OEM note.

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 N9915B. Discontinued models replaced by corresponding N99xxC Series per OEM note.

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.