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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N9951A FieldFox Handheld Microwave Analyzer, 44 GHz

Keysight / Agilent N9951A FieldFox Handheld Microwave Analyzer, 44 GHz The N9951A isaFieldFox microwave combination analyzer covering to 44 GHz with NMD 2.4 mm (m) ports. Provides CAT/VNA/SA capabilities depending on installed options. Weight ~7.1 lb class for all-in-one microwave FieldFox. The N9951A isaFieldFox microwave combination analyzer covering to 44 GHz with NMD 2.4 mm (m) ports. Provides CAT/VNA/SA capabilities depending on installed options. Weight ~7.1 lb class for all-in-one microwave FieldFox.



MODEL

**Keysight / Agilent
N9951A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N9951A

LISTING

<https://aumictechlabs.com/products/n9951a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N9951A FieldFox Handheld Microwave Analyzer is a battery-operated, portable instrument for field testing up to 44 GHz. It combines cable and antenna analysis as standard with optional vector network analysis, spectrum analysis, power metering, and vector voltmeter capabilities. Weighing only 7.1 lb (3.2 kg), the N9951A delivers accurate measurements without warm-up delay, making it ideal for aerospace, defense, and telecommunications field operations. Technical Specifications Frequency Coverage: Cable and Antenna Analysis (CAT) and Vector Network Analysis (VNA): 300 kHz to 44 GHz Spectrum Analysis (SA): 5 kHz to 44 GHz Analysis Bandwidth: Maximum 10 MHz Real-Time Bandwidth: Maximum 10 MHz Performance

Metrics: Spectrum Analyzer Accuracy: ± 0.5 dB (no warm-up required) Trace Noise: 0.004 dB rms DANL @ 1 GHz: -159 dBm Third-Order Intercept (TOI) @ 1 GHz: +13 dBm Phase Noise @ 1 GHz: -113 dBc/Hz (1 MHz offset), -111 dBc/Hz (10 kHz offset), -108 dBc/Hz (30 kHz offset) Network Analyzer Dynamic Range: 100 dBm Output Power: Maximum Leveled Output: Up to 0 dBm VNA Default Output: -15 dBm Low Power Output: -35 dBm typical, -38 dBm nominal (500 kHz to 10 MHz) Key Features Simultaneous measurement of all four S-parameters Time Domain Reflectometry (TDR) and Distance To Fault (DTF) in single sweep Dual integrated ports with remote control and SCPI support Configurable power settings: High, Low, and Manual modes Average and pulse power measurement via USB sensor RF pulse testing with peak power capability Frequency-offset and swept-frequency analysis Standard and Optional Capabilities Standard: Cable and Antenna Analyzer (CAT) Optional Modules: Vector Network Analyzer (VNA) Spectrum Analyzer (SA) Built-in Power Meter Vector Voltmeter GPS Receiver Typical Applications In-situ cable and transmission line testing, antenna characterization, component verification, field troubleshooting, and maintenance across aerospace, defense, and telecommunications infrastructure. Physical and Power Weight: 7.1 lb (3.2 kg) Power: Rechargeable Li-ion battery with AC/DC adapter Included: Soft carrying case with backpack, LAN cable, localized power cord

Features & description

From manufacturer datasheet

Features

• Frequency CAT/VNA: 300 kHz to 44 GHz • Frequency SA: 9 kHz to 44 GHz • RF connector: NMD 2.4 mm (m) • Analyzer type: FieldFox microwave combination analyzer • Weight: approx. 7.1 lb (industry literature for N995xA class) • USB ECal / mechanical cal kit support (2.4 mm kits) • Related models: N9950A 32 GHz; N9951A 44 GHz; N9952A 50 GHz • Modes: CAT standard; VNA/SA and other modes via options

Applications

• Microwave CAT / VNA to 44 GHz • Field spectrum analysis to 44 GHz • Millimeter-wave installation and maintenance

N9951A Characteristics / Specifications

PARAMETER	VALUE
Model	N9951A
Manufacturer	Keysight / Agilent
Instrument Type	FieldFox Handheld Microwave Combination Analyzer
Alias	N9951A; Keysight N9951A; FieldFox N9951A
Frequency CAT/VNA	300 kHz to 44 GHz
Frequency SA	9 kHz to 44 GHz
RF connector	NMD 2.4 mm (m)
Max frequency	44 GHz
Weight class	7.1 lb Notes Specs from Keysight FieldFox configuration guides (N9951A row). Confirm option licenses and connector condition on the unit.
Analyzer type	FieldFox microwave combination analyzer
Weight	approx. 7.1 lb (industry literature for N995xA class)
Related models	N9950A 32 GHz; N9951A 44 GHz; N9952A 50 GHz
Modes	CAT standard; VNA/SA and other modes via options

N9951A Specifications

PARAMETER	VALUE
Applications	- Microwave CAT / VNA to 44 GHz
Key Features	- Frequency CAT/VNA: 300 kHz to 44 GHz
Technical Specifications	Model: N9951A
Notes	Specs from Keysight FieldFox configuration guides (N9951A row). Confirm option licenses and connector condition on the unit.

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

Specifications

PARAMETER	VALUE
Model	N9951A
Manufacturer	Keysight / Agilent
Instrument Type	FieldFox Handheld Microwave Combination Analyzer
Alias	N9951A; Keysight N9951A; FieldFox N9951A

Specifications

PARAMETER	VALUE
Frequency CAT/VNA	300 kHz to 44 GHz
Frequency SA	9 kHz to 44 GHz
RF connector	NMD 2.4 mm (m)
Max frequency	44 GHz
Weight class	7.1 lb

Notes
Specs from Keysight FieldFox configuration guides (N9951A row). Confirm option licenses and connector condition on the unit.

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.