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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 8719A

HP Agilent 8719A Microwave Network Analyzer The HP/Agilent 8719A is a microwave vector network analyzer covering 130 MHz to 13.5 GHz. OEM microwave NA literature for the 8719 family lists integrated source/test-set architecture for S-parameter characterization in the microwave bands. Microwave component design verification, production S-parameter test, and antenna/filter characterization to 13.5 GHz. Calibration kit and test-set accessory ecosystem The HP/Agilent 8719A is a microwave vector network analyzer covering 130 MHz to 13.5 GHz. OEM microwave NA literature for the 8719 family lists integrated source/test-set architecture for S-parameter characterization in the microwave bands. Microwave component design verification, production S-parameter test, and antenna/filter characterization to 13.5 GHz. Calibration kit and test-set accessory ecosystem Instrument Type: microwave vector network analyzer



MODEL

**Agilent / Keysight
8719A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

8719A

LISTING

<https://aumictechlabs.com/products/8719a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 8719A is a microwave network analyzer covering 130 MHz to 13.5 GHz, designed for RF and microwave component characterization. It integrates a fast-sweeping synthesized source with a mechanical switching S-parameter test set, delivering 85 dB dynamic range (99 dB with Option 003) and measurement speeds suited to production and R&D environments. Technical Specifications Frequency range: 130 MHz to 13.5 GHz Frequency

resolution: 100 kHz standard; 1 Hz with Option 001 Power range: -10 dBm to -65 dBm Power level: -10 dBm $\pm$ 3 dB Dynamic range: 85 dB (99 dB with Option 003) Harmonics: 3 million cycles (typical) External reference input: 1, 2, 5, 10 MHz ($\pm$ 200 Hz at 10 MHz), -10 to +20 dBm, 50 ohms

Key Features Integrated switching test set eliminates external components for basic S-parameter measurements Multiple sweep modes: linear frequency, logarithmic frequency, and stepped list (up to 30 subsweeps, maximum 1601 points) Transmission and reflection response measurements on standard ports Time-domain capability via inverse Fourier transform (Option 010) Mixer and amplifier characterization including gain compression and reverse isolation measurements Full-color display for real-time measurement visualization GPIB programming interface (SH1, AH1, T6, L4, SR1, RL1, PPO, DC1, DT1, C1, C2, C3, C10, E2) High-stability frequency reference output available (Option 1D5)

Typical Applications S-parameter measurement of filters, amplifiers, and passive components Mixer characterization and conversion loss analysis Time-domain reflectometry (with Option 010) Frequency response testing across microwave bands

Compatibility & Integration Related analyzer models: 8719ET, 8719ES, 8720A, 8720B, 8720D, 8722D, 8753ET. This product is obsolete and no longer sold or supported by Keysight; calibration availability through authorized service centers may be limited to instruments requiring no replacement parts.

8719A Characteristics / Specifications

PARAMETER	VALUE
Model	8719A
Frequency Range	130 MHz to 13.5 GHz
Instrument Type	microwave vector network analyzer
Measurement Class	S-parameter network analysis
Remote Interface	HPIB
Brand Lineage	HP / Agilent
Form Factor	benchtop microwave network analyzer
Family	HP 8719 microwave NA
Frequency Coverage Band	microwave to 13.5 GHz
Display	CRT analyzer display class
Test Set Architecture	integrated or companion test set class per configuration
Calibration Support	full 2-port calibration kit ecosystem
Connector Class	microwave precision connector family per options
Source Type	synthesized microwave source class
Receiver Type	tuned microwave receiver class
Operating Context	R&D and manufacturing microwave NAMinimum Frequency: 130 MHz
Maximum Frequency	13.5 GHz
Measurement Ports Class	microwave test ports per configuration
Dynamic Range Class	microwave VNA class after calibration
IF Bandwidth Class	selectable IF bandwidths classCalibration Support: full 2-port calibration kit ecosystem
Documentation Source	OEM datasheet model row
Bandwidth	Class: selectable IF bandwidths classCalibration Support: full 2-port calibration kit ecosystem

8719A Specifications

PARAMETER	VALUE
HP Agilent 8719A Microwave Network Analyzer	Overview
Applications	Microwave component design verification, production S-parameter test, and antenna/filter characterization to 13.5 GHz.
Key Features	130 MHz to 13.5 GHz microwave VNA
Technical Specifications	Model: 8719A

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 HP/Agilent 8719A microwave network analyzer product documentation stating 130 MHz to 13.5 GHz coverage. Finer dynamic-range and uncertainty tables belong on the calibration certificate and optioned test-set configuration.	

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.