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Test & measurement · bought, sold, repaired, calibrated

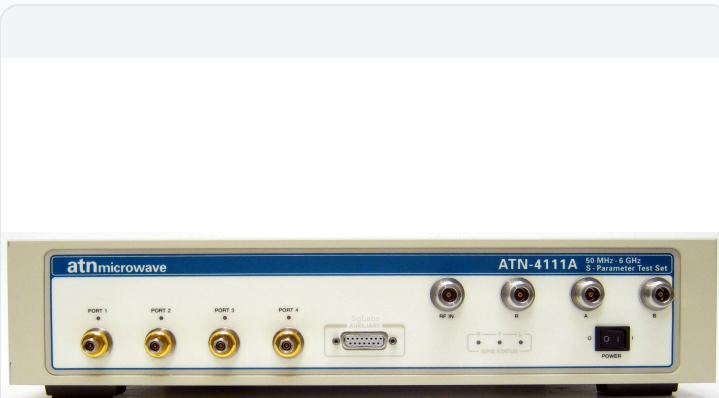
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N4413A Balanced Measurement S-parameter Test Set, 50 MHz to 6 GHz

Keysight N4413A Balanced Measurement S-parameter Test Set 50 MHz to 6 GHz The Agilent/Keysight N4413A is a four-port S-parameter test set for balanced and balanced-to-single-ended measurements from 50 MHz to 6 GHz when combined with a compatible VNA, GPIB PC, and N4425A or N1930A software. Differential RF component characterization, balun and balanced filter test, high-speed interconnect S-parameters. Mixed-mode and single-ended S-parameter display via system software The Agilent/Keysight N4413A is a four-port S-parameter test set for balanced and balanced-to-single-ended measurements from 50 MHz to 6 GHz when combined with a compatible VNA, GPIB PC, and N4425A or N1930A software. Differential RF component characterization, balun and balanced filter test, high-speed interconnect S-parameters. Mixed-mode and single-ended S-parameter display via system software N4430A ECal supported automatic calibrations



MODEL

**Agilent / Keysight
N4413A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N4413A

LISTING

<https://aumictechlabs.com/products/n4413a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N4413A is a precision Electronic Calibration (ECal) module that streamlines the calibration process for vector network analyzers (VNAs). Unlike mechanical calibration, ECal utilizes electronic standards to characterize the systematic errors of the VNA, resulting in faster

and more consistent calibrations. The N4413A is suitable , including component testing, system integration, and on-wafer measurements. It supports various connector types and frequency ranges, ensuring compatibility with a wide range of VNAs and test setups. By reducing calibration time and minimizing the potential for human error, the N4413A enhances productivity and improves the overall quality of network analysis measurements.

N4413A Characteristics / Specifications

PARAMETER	VALUE
Model	N4413A
Instrument Type	Balanced measurement S-parameter test set
Frequency Range Minimum	50 MHz
Frequency Range Maximum	6 GHz
Test Ports	4
Connector Type	SMA
Measurement Modes	single-ended and mixed mode S-parameters
Error Correction	full four-port vector error correction
Ecal Compatibility	N4430A four-port ECal module
Control Software N4425A	Balanced Measurement System software
Control Software N1930A	Physical Layer Test System software
External Pc Requirement	IEEE-488 GPIB equipped PC
Compatible Vna Example	8753ES Options 006 and 011
Renormalization	non-50-ohm device re-normalization supported in system software
Time Domain	time domain analysis option in system software
User Defined Displays	powerful user-defined parameter displays
Dut Examples	differential filters amplifiers baluns balanced transmission lines
System Role	key component of Agilent balanced-measurement system
Calibration Note	factory performance characteristics not field calibrated asastandalone unit
Functional Verification	microwave component functional test verifies proper performance
Port Configuration	four-port S-parameter test set
Interface To Analyzer	works with specified VNA option configurations for balanced measurements
Physical Layer Use	high-speed digital interconnect characterization on PLTS capable systems

PARAMETER	VALUE
Mixed Mode Parameters	displays conventional and mixed-mode S-parameters

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.

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Notes

Frequency span, port count, connector, software, and system capabilities from Agilent/Keysight N4413A balanced-measurement S-parameter test set product literature (N441x family). Fine microwave limits are factory characteristics.

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.