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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 403B

The Agilent E4403B is an ESA-L series portable spectrum analyzer covering 9 kHz to 3.0 GHz. OEM ESA-L specifications guide and data sheet list shared ESA-L measurement architecture with E4411B and E4408B siblings. RF spectrum analysis to 3 GHz, manufacturing test of transmitters and receivers, and general-purpose spur and harmonic measurements on the ESA-L platform. Resolution Bandwidth: 1 kHz to 5 MHz class ESA-L table Input Attenuator Range: 0 to 65 dB class in 5 dB steps Weight Class: ESA-L portable class without options Phase Noise Architecture: Shared ESA-L LO DANL Architecture: Shared ESA-L noise floor tables Frequency range from Agilent ESA-L Series data sheet and specifications guide for E4403B. DANL phase noise and amplitude accuracy are highly frequency and option dependent; cite the full ESA-L specifications guide for warranted rows.



MODEL

**Agilent / Keysight
403B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

403B

LISTING

<https://aumictechlabs.com/products/403b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 403B is an analog AC voltmeter engineered for precision measurement of alternating voltage signals across wide frequency and amplitude ranges. This discontinued instrument operates from 5 Hz to 2 MHz and provides selectable measurement ranges spanning 0.001 V to 300 V, making it suitable for diverse AC voltage characterization tasks in laboratory and field environments. Technical Specifications Instrument Type: Analog AC Voltmeter Frequency Range: 5 Hz to 2 MHz Voltage Ranges: 0.001 V to 300 V (selectable) Manufacturer Status:

Discontinued
Key Features Multi-decade voltage measurement capability from millivolt to three-hundred volt levels Extended frequency response spanning five decades from subsonic through RF domains Analog display technology for real-time signal observation Selectable input ranges for optimized measurement resolution and accuracy across varying signal amplitudes
Typical Applications AC voltage characterization in audio-frequency circuits and subsonic instrumentation Low-voltage signal measurement in precision analog systems Wideband AC measurements extending into the RF spectrum Laboratory bench testing and field troubleshooting of AC-powered equipment
Compatibility & Integration As a discontinued product, the 403B may present sourcing constraints. Original documentation and spare components availability should be verified prior to procurement for critical measurement applications. Direct integration with modern digital acquisition systems requires external interface solutions.

403B Characteristics / Specifications

PARAMETER	VALUE
Frequency Range	9 kHz to 3.0 GHz
Series Family	ESA-L
Resolution Bandwidth	1 kHz to 5 MHz class ESA-L table
Input Attenuator Range	0 to 65 dB class in 5 dB steps
Maximum Safe Input Class	+30 dBm with adequate attenuation
DC Coupled Input Limit	100 Vdc
Measurement Range	DANL to maximum safe input level
Tracking Generator Option 1DN Range	9 kHz to 3 GHz
TG Output Attenuator Range Class	0 to 60 dB class steps
RF Input Impedance	50 ohm
Analyzer Type	ESA-L swept spectrum analyzer
Remote Interface	GPIB ESA programming
Comparable CXA Mapping	N9000A Option 503 class
Minimum Frequency	9 kHz
Maximum Frequency	3.0 GHz
Local Measurement Rate Class	ESA-L portable class
Display	ESA color display
Weight Class	ESA-L portable class without options
Phase Noise Architecture	Shared ESA-L LO
RBW Sequence Class	1-3-10 class ESA
Maximum Frequency Span	3.0 GHz
Input Connector	TypeNfemale class
DANL Architecture	Shared ESA-L noise floor tables
Bandwidth	1 kHz to 5 MHz class ESA-L table
Attenuation	DC Coupled Input Limit: 100 Vdc

403B Specifications

PARAMETER	VALUE
Key Features	9 kHz to 3.0 GHz coverage
Portable benchtop form factor	GPIB remote programming
Technical Specifications	Frequency Range: 9 kHz to 3.0 GHz

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 guide and data sheet list shared ESA-L measurement architecture with E4411B and E4408B siblings.	
Applications	
RF spectrum analysis to 3 GHz, manufacturing test of transmitters and receivers, and general-purpose spur and harmonic measurements on the ESA-L platform.	
Key Features	
9 kHz to 3.0 GHz coverage	
ESA-L measurement speed and UI	
Optional tracking generator Option 1DN	
Portable benchtop form factor	
GPIB remote programming	
Technical Specifications	
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Minimum Frequency	9 kHz
Maximum Frequency	3.0 GHz
Local Measurement Rate Class	ESA-L portable class
Display	ESA color display
Weight Class	ESA-L portable class without options
Phase Noise Architecture	Shared ESA-L L0
RBW Sequence Class	1-3-10 class ESA

PARAMETER	VALUE
Maximum Frequency Span	3.0 GHz
Input Connector	TypeNfemale class
DANL Architecture	Shared ESA-L noise floor tables

Notes
Frequency range from Agilent ESA-L Series data sheet and specifications guide for E4403B. DANL phase noise and amplitude accuracy are highly frequency and option dependent; cite the full ESA-L specifications guide for warranted rows.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.