


Aumictech

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

AGILENT

Agilent E5071B 300kHz-8.5GHz 2 Port Network Analyzer w/ Opt. 015, 214, UNQ

Agilent Network Analyzers. Frequency range: 300 kHz to 8.5 GHz, Dynamic range: Up to 125 dB typical at test port.



MODEL

Agilent E5071B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

E5071B

LISTING

<https://aumictechlabs.com/products/e5071b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent E5071B is a 2-port network analyzer operating from 300 kHz to 8.5 GHz, delivering dynamic range up to 125 dB at the test port with trace noise of 0.001 dB rms. Port expansion to 9 ports is available via the E5091A Multiport Test Set. This instrument combines fast sweep speed of 9.6 μ s/point with comprehensive S-parameter measurement capability, including balanced and mixed-mode configurations. Technical Specifications Frequency range: 300 kHz to 8.5 GHz Dynamic range: Up to 125 dB typical at test port; varies by frequency band and IF bandwidth (105–122 dB with 10 Hz IF bandwidth across operating range) Trace noise: 0.001 dB rms Sweep speed: 9.6 μ s/point Port output power: –50 to 10 dBm (Option 214 extends this range) Ports: 2-port integrated; expandable to 9 ports with external test set Key Features Full 2-port SOLT and TRL/LRM calibration with 4-port electronic calibration (ECal) support Fixture embedding and de-embedding Port characteristic impedance conversion Frequency-offset mode for frequency-translated device analysis Time domain analysis with gating Measurement Wizard Assistant

(MWA) software Built-in Visual Basic for Applications (VBA) programming Color LCD display (Option 015); touch screen variant available (Option 016) Calibration & Test Equipment Compatible with Agilent 85032F (Type-N) and 85033E (3.5 mm) calibration kits Supports electronic calibration modules: 85092C (Type-N) and 85093C (3.5 mm) Multiport capability via E5091A test set; dual units enable up to 14 ports Connectivity LAN (Intuilink and SiCL over LAN) and GPIB interfaces support remote operation and integration into automated test environments.

Features & description

From manufacturer datasheet

Technical Specifications

Frequency range: 300 kHz to 8.5 GHz Dynamic range: Up to 125 dB typical at test port; varies by frequency band and IF bandwidth (105–122 dB with 10 Hz IF bandwidth across operating range) Trace noise: 0.001 dB rms Sweep speed: 9.6 μ s/point Port output power: –50 to 10 dBm (Option 214 extends this range) Ports: 2-port integrated; expandable to 9 ports with external test set

Key Features

Full 2-port SOLT and TRL/LRM calibration with 4-port electronic calibration (ECal) support Fixture embedding and de-embedding Port characteristic impedance conversion Frequency-offset mode for frequency-translated device analysis Time domain analysis with gating Measurement Wizard Assistant (MWA) software Built-in Visual Basic for Applications (VBA) programming Color LCD display (Option 015); touch screen variant available (Option 016)

Calibration & Test Equipment

Compatible with Agilent 85032F (Type-N) and 85033E (3.5 mm) calibration kits Supports electronic calibration modules: 85092C (Type-N) and 85093C (3.5 mm) Multiport capability via E5091A test set; dual units enable up to 14 ports Connectivity LAN (Intuilink and SICL over LAN) and GPIB interfaces support remote operation and integration into automated test environments.

Agilent E5071B — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Agilent E5071B. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values [Request Calibration](#) → [Request Repair Quote](#) →

Agilent E5071B price

This Agilent E5071B is listed at [\\$1,200.00](#). Calibration is available separately from [\\$1,200.00](#). Contact us for volume pricing or if you need multiple units.

Agilent E5071B calibration cost

NIST-traceable calibration for the Agilent E5071B is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Unit notes

The Agilent E5071B is a 2-port network analyzer operating from 300 kHz to 8.5 GHz, delivering dynamic range up to 125 dB at the test port with trace noise of 0.001 dB rms. Port expansion to 9 ports is available via the E5091A Multiport Test Set. This instrument combines fast sweep speed of 9.6 μ s/point with comprehensive S-parameter measurement capability, including balanced and mixed-mode configurations.

Technical Specifications

Frequency range: 300 kHz to 8.5 GHz
Dynamic range: Up to 125 dB typical at test port; varies by frequency band and IF bandwidth (105–122 dB with 10 Hz IF bandwidth across operating range)
Trace noise: 0.001 dB rms
Sweep speed: 9.6 μ s/point
Port output power: –50 to 10 dBm (Option 214 extends this range)
Ports: 2-port integrated; expandable to 9 ports with external test set

Key Features

Full 2-port SOLT and TRL/LRM calibration with 4-port electronic calibration (ECal) support
Fixture embedding and de-embedding
Port characteristic impedance conversion
Frequency-offset mode for frequency-translated device analysis
Time domain analysis with gating
Measurement Wizard Assistant (MWA) software
Built-in Visual Basic for Applications (VBA) programming
Color LCD display (Option 015); touch screen variant available (Option 016)

Calibration & Test Equipment

Compatible with Agilent 85032F (Type-N) and 85033E (3.5 mm) calibration kits
Supports electronic calibration modules: 85092C (Type-N) and 85093C (3.5 mm)
Multiport capability via E5091A test set; dual units enab

E5071B Specifications

PARAMETER	VALUE
Frequency Range	300 kHz to 8.5 GHz Power Range (dBm): '-50 to 10 dBm

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.

Agilent Network Analyzers. Frequency range: 300 kHz to 8.5 GHz, Dynamic range: Up to 125 dB typical at test port.

The Agilent E5071B is a 2-port network analyzer operating from 300 kHz to 8.5 GHz, delivering dynamic range up to 125 dB at the test port with trace noise of 0.001 dB rms. Port expansion to 9 ports is available via the E5091A Multiport Test Set. This instrument combines fast sweep speed of 9.6 μs/point with comprehensive S-parameter measurement capability, including balanced and mixed-mode configurations.

Connectivity LAN (Intuilink and SICL over LAN) and GPIB interfaces support remote operation and integration into automated test environments.

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E5071B Specifications

PARAMETER	VALUE
Frequency Range	300 kHz to 8.5 GHz Power Range (dBm): -50 to 10 dBm

Technical Specifications

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Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

Request Calibration → Request Repair Quote →

Agilent E5071B price

This Agilent E5071B is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Agilent E5071B calibration cost

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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.