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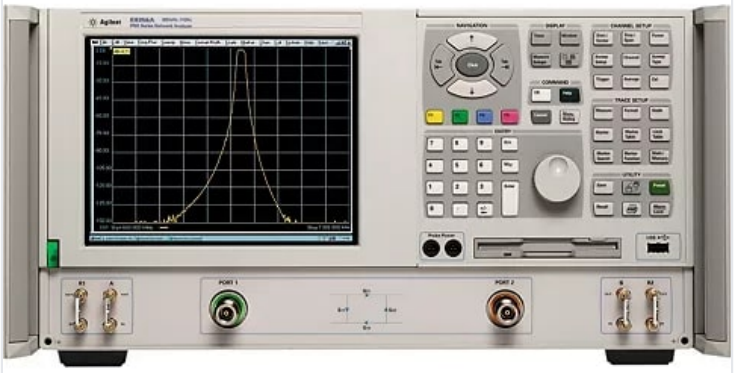
Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E8362B 20GHz PNA Network Analyzer

Agilent E8362B PNA Microwave Network Analyzer The Agilent E8362B isaPNA series microwave vector network analyzer covering 10 MHz to 20 GHz. OEM PNA E8362/3/4B technical specifications list system dynamic range to 123 dB from 10 to 20 GHz in standard configuration at 10 Hz IFBW, with higher receiver access dynamic range on Option 014 configurable test sets. Microwave component S-parameter characterization, mixer and amplifier tests with frequency offset options, and high dynamic rangeRandDnetwork analysis to 20 GHz. The Agilent E8362B isaPNA series microwave vector network analyzer covering 10 MHz to 20 GHz. OEM PNA E8362/3/4B technical specifications list system dynamic range to 123 dB from 10 to 20 GHz in standard configuration at 10 Hz IFBW, with higher receiver access dynamic range on Option 014 configurable test sets. Microwave component S-parameter characterization, mixer and amplifier tests with frequency offset options, and high dynamic rangeRandDnetwork analysis to 20 GHz. Time domain and frequency converter options



MODEL **Agilent / Keysight E8362B**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **E8362B**	LISTING **https://aumictechlabs.com/products/e8362b-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E8362B PNA Network Analyzer delivers RF and microwave characterization across 10 MHz to 20 GHz. Built for precision component and system testing, it combines dynamic range exceeding 123 dB with measurement speeds as fast as 26 µs/point and trace noise below 0.006 dB at 1 kHz IFBW. The instrument supports 32 measurement channels with up to 16,001 data points per channel, enabling detailed multi-parameter analysis in a single sweep.Technical Specifications Frequency range: 10 MHz to 20 GHz Dynamic range: 123 dB at 20 GHz Measurement speed: 26 µs/point minimum Trace noise: <0.006 dB (1 kHz IFBW) Channels: 32 simultaneous measurements Data points per channel: Up to 16,001 IF bandwidth: 1 Hz to 40 kHz nominal Output power: -10 dBm maximum (-12 dBm optimum to receivers) RF connectors: 3.5 mm male, 50 Ω Display: 8.4-inch color LCD, 640 × 480 resolution Power supply: 100–120 V / 220–240 V AC auto-switching, 50/60/400 Hz Power consumption: 350 W Dimensions: 36 kg net weight, 29 kg nominal Operating environment: 0 to +40 °C, 0–95% RH (non-condensing), up to 4600 m altitude Storage: -40 to +70 °CKey Features TRL/LRM and TRM/LRM calibration techniques for traceable measurements On-wafer, in-fixture, and waveguide measurement capability Mixer conversion loss, return loss, isolation, and absolute group delay characterization Amplifier gain compression, harmonic, IMD, and pulsed-RF analysis Antenna S-parameter measurement supportTypical Applications Component characterization in R&D and production Active and passive device validation System-level RF performance verification High-frequency interconnect analysisCompatibility & Integration Operates reliably in controlled laboratory and field environments. Global AC input compatibility eliminates power conditioning requirements across international deployments.

E8362B Characteristics / Specifications

PARAMETER	VALUE
Frequency Range	10 MHz to 20 GHz
Instrument Type	microwave vector network analyzer
Series Family	Agilent PNA E836xB
System Dynamic Range 10 To 45 MHz Standard	79 dB typical
System Dynamic Range 45 To 500 MHz Standard	94 dB
System Dynamic Range 500 MHz To 2 GHz Standard	119 dB
System Dynamic Range 2 To 10 GHz Standard	122 dB
System Dynamic Range 10 To 20 GHz Standard	123 dB
System Dynamic Range 20 To 30 GHz Standard	114 dB
System Dynamic Range 30 To 40 GHz Standard	110 dB
System Dynamic Range 40 To 45 GHz Standard	109 dB
System Dynamic Range 45 To 50 GHz Standard	104 dB
IF Bandwidth For Specs	10 Hz
Configurable Test Set Option	Option 014
Extended Power Bias Tee Option	Option UNL
Frequency Reference Aging Typical	plus or minus 0.2 ppm per year typical
Test Port Connector Class	3.5 mm male class
Number Of Ports	2 port PNA base
Calibration Support	full 2 port TRL LRM SOLT class
Remote Interfaces	LAN GPIB

PARAMETER	VALUE
Form Factor	benchtop PNA
Operating Spec Condition	10 Hz IFBW no averaging isolation cal factor 8
Bandwidth	For Specs: 10 Hz

E8362B Specifications

PARAMETER	VALUE
Agilent E8362B PNA Microwave Network Analyzer	Overview
PNA Windows based measurement platform	Configurable test set Option 014 path
Technical Specifications	Frequency Range: 10 MHz to 20 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 list system dynamic range to 123 dB from 10 to 20 GHz in standard configuration at 10 Hz IFBW, with higher receiver access dynamic range on Option 014 configurable test sets.

Applications
Microwave component S-parameter characterization, mixer and amplifier tests with frequency offset options, and high dynamic rangeRandDnetwork analysis to 20 GHz.

Key Features
PNA Windows based measurement platform
Configurable test set Option 014 path
Extended power and bias tee Option UNL
Time domain and frequency converter options
LAN GPIB remote automation

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Frequency Range	10 MHz to 20 GHz
Instrument Type	microwave vector network analyzer
Series Family	Agilent PNA E836xB

System Dynamic Range 10 To 45 MHz Standard: 79 dB typical
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System Dynamic Range 500 MHz To 2 GHz Standard: 119 dB
System Dynamic Range 2 To 10 GHz Standard: 122 dB
System Dynamic Range 10 To 20 GHz Standard: 123 dB
System Dynamic Range 20 To 30 GHz Standard: 114 dB
System Dynamic Range 30 To 40 GHz Standard: 110 dB
System Dynamic Range 40 To 45 GHz Standard: 109 dB
System Dynamic Range 45 To 50 GHz Standard: 104 dB

Specifications

PARAMETER	VALUE
IF Bandwidth For Specs	10 Hz
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Operating Spec Condition	10 Hz IFBW no averaging isolation cal factor 8

Notes
Dynamic range rows from Agilent/Keysight PNA Series E8362/3/4B technical specifications at 10 Hz IFBW. Rows above the model maximum frequency apply only on higher-band siblings; confirm installed options for UNL and 014.

Ordering Information

OPTION	DESCRIPTION
Option 014	configurable test sets.

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

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