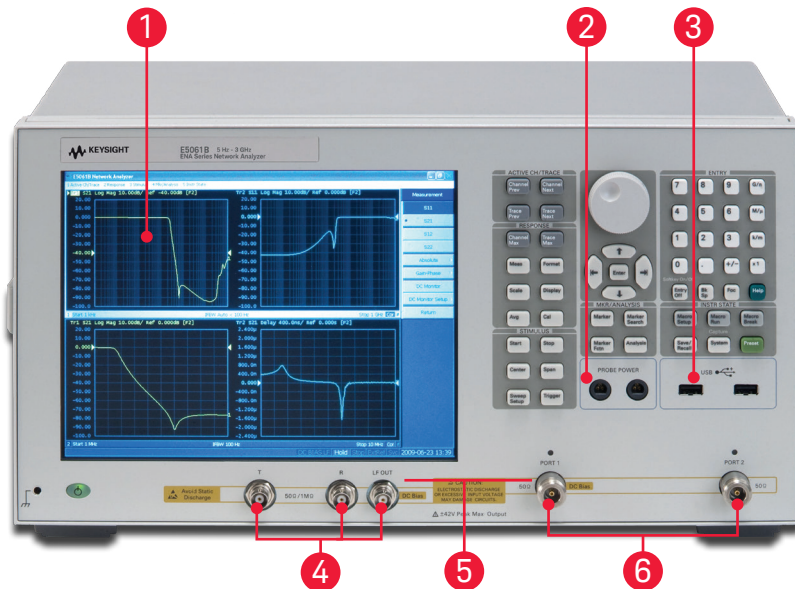


# Keysight E5061B Network Analyzer

## Ultimate general-purpose network analyzer – “One for every lab”

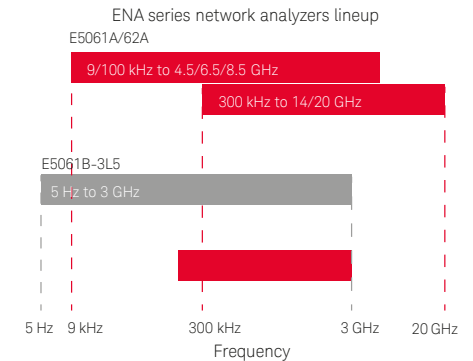
The Keysight Technologies, Inc. E5061B Network Analyzer is the latest addition to the ENA series, that offers a broad frequency range down to 5 Hz while covering the RF range up to 3 GHz. It supports not only the general RF applications such as filters or amplifiers measurements, but also the LF applications such as loop-gain measurement of DC-DC converters. Thus, it works as the most useful analyzer in every lab that needs network analysis.



1. 10.4 inch LCD touch screen
2. Probe power
3. USB port
4. Gain-phase test port Hz to 30 MHz, BNC:
  - LF OUT (source)
  - R (1 M $\Omega$ / 50  $\Omega$ )
  - T (1 M $\Omega$ / 50  $\Omega$ )
5. Built-in DC bias  
DC bias (up to  $\pm 40$  Vdc) can be applied from the LF OUT or port-1
6. S-parameter test port 5 Hz to 3 GHz, type-N (50  $\Omega$ )

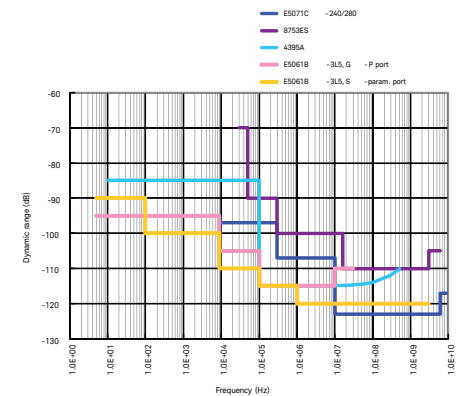
## Wide frequency range in one-box

The E5061B allows you to avoid purchasing an LF-dedicated instrument that works only up to MHz range. You can cover versatile applications in your lab from near-DC to 3 GHz with the E5061B, also, included is the integrated gain phase test port. Now, more choices are available in the ENA series.



## Wide dynamic range

The wide dynamic range of the E5061B throughout its whole measurement frequency range allows you to perform accurate at every required test frequency.



## More working space

As show, the compact form factor of the E5061B offers a larger working space on you desk compared to the existing network analyzers:

- E5061B (top): 254 mm deep
- 8753C (bottom): 498 mm



## Model

Model	Description
E5061B	Network analyzer

## Option

Test set option	Description
E5061B-3L5 <sup>1</sup>	LF-RF network analyzer with DC bias source, 5 Hz to 3 GHz
Other option	Description
E5061B-1E5	High stability timebase
E5061B-010	Time domain/Fault location analysis
E5061B-019 <sup>2</sup>	Standard hard disk drive
E5061B-810	Add keyboard
E5061B-820	Add mouse
E5061B-1CM	Rack mount kit
E5061B-1CN	Front handle kit
E5061B-1CP	Rack mount and front handle kit
E5061B-1A7	ISO 17025 compliant calibration
E5061B-A6J	ANSI Z540 compliant calibration

1. E5061B-3L5 is the only one test set option available as of October 2009.

2. The E5061B-019 is the only hard disk drive option available. Removable hard disk drive is not provided for the E5061B.

## Typical configuration example

Model/part number	Description
11500E	3.5 mm (m) to 3.5 mm (m) cable, 61 cm (24 in)
1250-1744	3.5 mm (f) to 50 $\Omega$ type- N (m) adapter
85033E	50 $\Omega$ standard calibration kit, DC to 9 GHz, 3.5 mm. Includes; – 3.5 mm (m) load/3.5 mm (m) open/3.5 mm (m) short – 3.5 mm (f) load/3.5 mm (f) open/3.5 mm (f) short – Torque wrench
8120-1838	Economy mechanical calibration kit, DC to 3 GHz, Type-F, 75 $\Omega$

For additional product information about the E5061B, refer to following literature

Pub number	Name
5990-4390EN	Technical Overview
5990-4391EN	Configuration Guide
5990-4392EN	Data Sheet

For more details on accessories, refer to the “E5061B Configuration Guide”, publication number 5990-4391EN.

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Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.