ROHDE&SCHWARZ
Make ideas real

R&S®ZNLE VECTOR NETWORK ANALYZER

Measurements as easy as ABC

The perfect choice for

- Passive RF components tests
- Education & training
- Automated testing
- Production environment

Key specifications	
Frequency range	100 kHz [1]/1 MHz to ► 3 GHz (R&S®ZNLE3) ► 4.5 GHz (R&S®ZNLE4) ► 6 GHz (R&S®ZNLE6) ► 14 GHz (R&S®ZNLE14) ► 18 GHz (20 GHz overrange) (R&S®ZNLE18)
Number of ports	2 ports, N(F)
Dynamic range	up to 110 dB (spec.) 120 dB (typ.)
Output power	up to 0 dBm
IF bandwidths	1 Hz to 500 kHz
Sweep time	16.7 ms for 401 points (100 kHz IFBW, TOSM, 200 MHz span)

[1] With R&S®ZNLE-B100 option.

Vector network analysis made easy

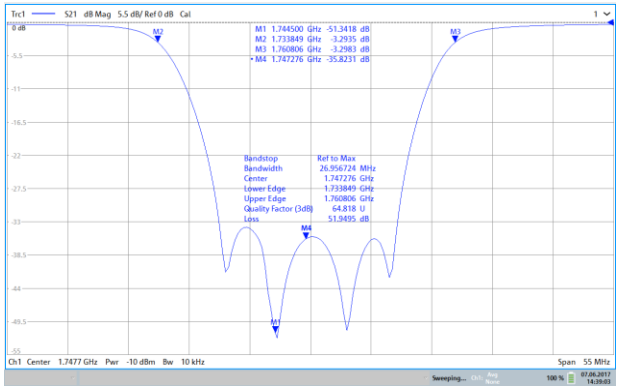
With the R&S®ZNLE, vector network analysis measurements become as easy as ABC: easy to use, easy to calibrate, easy to configure.

Fast measurement speeds, reliable RF performance and a clearly structured user interface make the R&S®ZNLE the perfect choice for vector network analysis measurements on passive components.

Your benefit	Features
Solid performance in an economic instrument	Standalone vector network analyzer with fast measurement speeds and low trace noise
Clearly structured user interface with multi-touchscreen	Wide capacitive touchscreen for convenient configuration with multi-touch gesturing. Undo/redo softkeys and fully integrated context-sensitive help menu for user-friendly operation
Standard instrument for use in the lab	De/embedding, fixture compensation, support of automatic calibration units and remote control via LAN or GPIB
Precise time-domain measurements	With its broad frequency operation range from 100 kHz (with option R&S®ZNLE-B100) up to 20 GHz (overrange), the R&S®ZNLE is ideal for measurements in time-domain, where spatial resolution is crucial

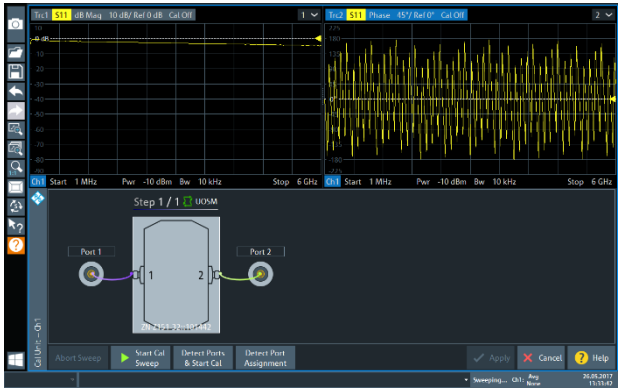
For price and more information, visit
www.rohde-schwarz.com/product/ZNLE

Vector network analysis



Automatic filter characterization with advanced marker functions: all important values in one step.

Automatic calibration unit support



Automatic calibration units supported for convenient automatic system error correction. To be even quicker, a one-step auto cal is available.

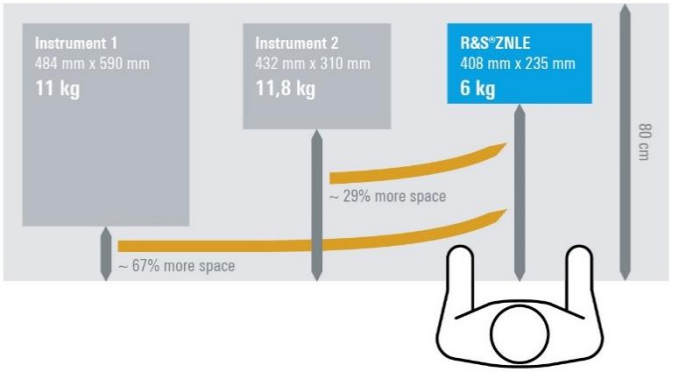
Ordering information

Description	Item
Vector network analyzer, 1 MHz to 3 GHz	R&S®ZNLE3
Vector network analyzer, 1 MHz to 4.5 GHz	R&S®ZNLE4
Vector network analyzer, 1 MHz to 6 GHz	R&S®ZNLE6
Vector network analyzer, 1 MHz to 14 GHz	R&S®ZNLE14
Vector network analyzer, 1 MHz to 18 GHz (20 GHz overrange)	R&S®ZNLE18
Extended frequency range, lower end, 1 MHz to 100 kHz	R&S®ZNLE-B100
Time domain analysis	R&S®ZNL-K2
Distance-to-fault measurements	R&S®ZNL-K3
GPIB Interface	R&S®FPL1-B10

Scan to view the available calibration kits in the brochure

R&S®ZN-Zx calibration units can be used with the R&S®ZNLE for a convenient and quick way to perform system error correction.

Up to 67 % more space on your desk



The R&S®ZNLE leaves up to 67 % more space on a typical 80 cm workbench than comparable analyzers. Weighing 60 % less than comparable analyzers, it is the most portable benchtop analyzer. The R&S®ZNLE fits easily on any desk for convenient everyday measurements such as tuning a filter.

Feature highlights

- ► Broad frequency range: from 100 kHz up to 20 GHz
- ► Time domain and distance-to-fault options for deeper analysis of filters and cables
- ► Compact standalone vector network analyzer with fully integrated computer
- ► Fast measurement speeds
- ► Innovative user interface and wide 10.1'' multi-touchscreen
- ► Windows 10 operating system
- ► Use of calibration units

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