Keysight P937xB & P938xB Streamline Series Vector Network Analyzer (VNA)

Compact form. Zero compromise.

Balance deadlines, productivity, budget and bench space with the Keysight P937xB and P938xB, new members of Keysight's Streamline Series VNAs.

The VNA is packaged in a compact chassis and controlled by an external computer with powerful data processing capabilities and functionalities. The firmware running on the PC has the same intuitive GUI as the other Keysight VNAs which allows you to reduce switching cost between models.
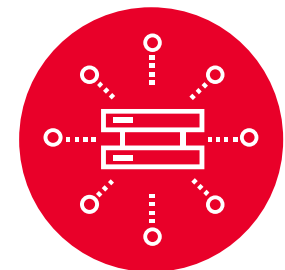
P937xB (2-port)   P938xB (4-port)

Broad selection of VNAs

- Wide frequency (max 44 GHz) and 2- or 4- test ports
- General-purpose, basic network analysis for various applications (ex. wireless communication, education, aerospace/defense, etc.

Low-cost mm-wave test

- Keysight's lowest-cost 44 GHz VNA
- Ideal for emerging mm-wave applications (ex. 5G FR2 component tests, materials measurements)

More test ports

- 4-port VNA up to 20 GHz for differential component tests (ex. cable assemblies, PC board impedance test)
- Multiport calibrated measurements by combining two VNAs

Key Features and Specifications

- Most compact VNA for easy sharing between test locations

- Wide choice of frequency ranges – Up to 44 GHz (2-port P937xB), and up to 20 GHz (4-port P938xB)

- Ability to extend the number of test ports by combining two VNAs (maximum 8-port)

- > 115 dB dynamic range at 10 Hz IFBW

- < 0.0015 dBrms trace noise at 10 kHz IFBW

- < 15 msec cycle time for 2-port measurements, 201 points (typ)

- < 0.005 dB/deg.C temperature stability (typ)

- 1.88 kg (2-port P937xB) / 2.82 kg (4-port P938xB)

- Consistent measurement results with trusted Keysight's VNAs (PNA/ENA or PXI VNA)

- Supports all mechanical cal kits and Electronic calibration (ECal) modules from Keysight

- Same GUI, SCPI commands and user experience with other Keysight's VNAs

Ordering Information

- **P9370B/P9371B/P9372B/P9373B/P9374B/P9375B/P9377B**
  9 kHz to 4.5 / 6.5 / 9 / 14 / 20 GHz, 100 kHz to 26.5 / 44 GHz, 2-port. VNA activation software (S9724xB) is necessary to enable basic VNA capabilities.

- **P9382B/P9384B**
  9 kHz to 9 / 20 GHz, 4-port. VNA activation software (S9725xB) is necessary to enable basic VNA capabilities.

Software Compatibility

- **S97011B**
  Enables enhanced time-domain analysis for high-speed data applications. ECal modules with DC option (ex. N4433D-0DC) are recommended.

- **S97551B**
  Multiple instrument measurements software, providing multiport calibration measurement using two P937xB or P938xB VNAs in a multiport array.

- **N1500A materials measurement suite**
  Streamlines the process of measuring complex permittivity and permeability with VNAs.

For more information, visit www.keysight.com/find/usb-vna