

VNA400 40 GHz 2-Port Vector Network Analyzer

High-Performance Precision Analysis



Signal Hound's new VNA400 is a 40 GHz, 2-port, USB-powered vector network analyzer. This premium accessible, high-performance VNA provides the core functionality that most designers need without the excessive cost of other manufacturers. Unlock superior capability and exceptional performance, all in a compact format from Signal Hound.

The VNA400 is optimized for testing two-port devices, such as filters, amplifiers, and attenuators, as well as one port devices like antennas or VSWR testing. This innovative and versatile VNA is powered from a Thunderbolt 3/4 port or USB-C port rated at 15 watts or higher and draws less than 15 watts, making it a practical analysis tool for use in the lab or out in the field.

The world's first USB-powered 40 GHz, 2-port VNA

Features:

- Frequency range from 40 MHz to 40 GHz
- Dynamic range up to 125 dB
- USB-C powered, no external adapter needed
- Powerful and compact, weighing only 4 lbs.

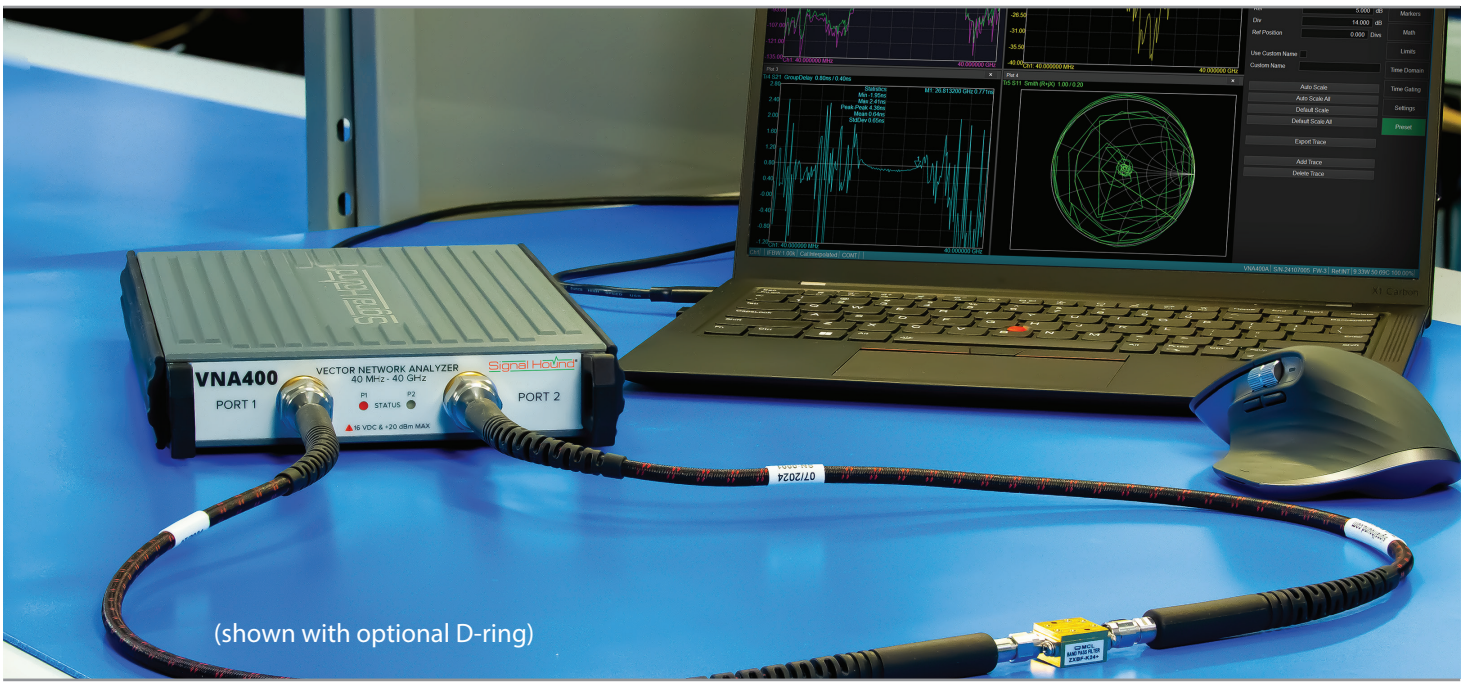
** Integrated into Maury Insight software and MTune 3 tuning interface*

The high dynamic range of the VNA400, coupled with ultra-fast measurement speed (2000 points per second at 30 kHz RBW) make this precision piece of test equipment an ideal RF analysis companion. Backed by outstanding customer support and an industry-best standard 2-year warranty, the VNA400 is the next addition to your complete test and measurement system.

VNA400 Applications

Communications and wireless field use	✓
S-Parameter measurements up to 40 GHz	✓
Manufacturing and PCB troubleshooting	✓
Antenna system component testing	✓
Return loss / VSWR measurement	✓
Field use through the Ka band	✓
Research & Development	✓





(shown with optional D-ring)

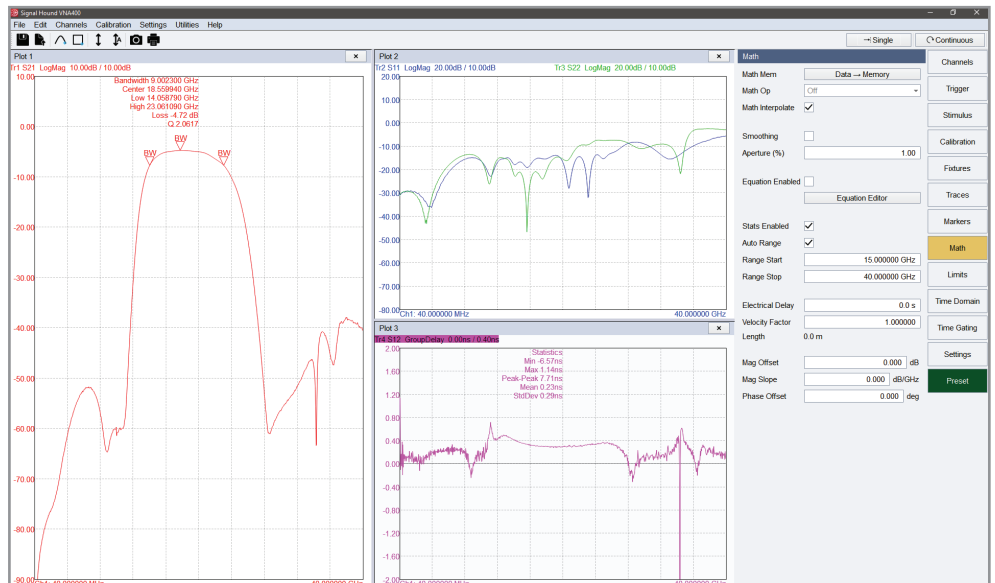
The VNA400, versatile, portable and optimized for the lab or out in the field. It includes powerful VNA analysis software with an easy-to-navigate interface and industry standard measurement presets.

Whether you are an engineer in the research and development phase, a manufacturing professional needing verification of components or systems, or a technician in the field, the VNA400 fits your application. Complete your measurements with confidence and reliability. Communications and wireless professionals can utilize the compact format of this versatile VNA to troubleshoot issues on site without the limitations of bulky equipment.

Perform industry standard measurement and analysis with ease and reduce time in the design phase. Bring your projects to market faster and more efficiently with precision VNA software tools like time domain network analysis with time gating, custom traces, channels, and plots, as well as full 1 and 2 port calibration methods – all built into a modern and intuitive PC-based suite.

Automate your measurement processes with full SCPI device control and consolidate your workflow. **The VNA400 fully-featured software suite is included as a download with your purchase.**

The VNA400 completes Signal Hound's offering of an entire test suite solution available to RF professionals throughout the world. Spectrum analyzers, vector signal generators and now expanded to vector network analyzers. A complete test and measurement package from a trusted industry partner.



VNA400 software measuring a reflection-less wideband filter.