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Signal Hound Releases the VNA400 2-Port, 40 GHz Vector Network Analyzer

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Content

Battle Ground, WA – April 9, 2025 – Today Signal Hound – manufacturer of accessible, versatile, precision test equipment – announced the release of the highly anticipated VNA400 to its expanding product line. This high-performance, USB-powered vector network analyzer is in stock and available to Order Now. The 2-port, 40 GHz VNA400 utilizes a combination of high dynamic range and ultra-fast measurement to unlock data-rich, system-level analysis. The VNA400 boasts a wide range of capabilities, making it a perfect fit for the lab, the manufacturing facility or out in the field. A fully featured VNA software suite is included with this product.

“Signal Hound provides high-quality, precision instruments to users across the globe. This VNA is a result of our continued evolution, and it will open access to users pursuing greater advancements in their RF design and verification processes,” said Harrison Osbourn, CEO. “This is the first USB-powered, 40 GHz VNA on the market. We have applied our innovative approach to all aspects of this new product, and it is going to be an ideal tool for RF professionals throughout the industry.

“With a power consumption of just 15 watts, this versatile test and measurement device is nimble and compact. It does not require an external power adapter for operation and is powered entirely by a PC. It delivers outstanding performance that rivals units that are much more costly. Vector network analyzers are critical for pre-manufacturing testing. With this release, Signal Hound now offers a complete suite of test and measurement analysis solutions from spectrum analyzers to vector signal generators and now, vector network analyzers. With so many measurements and wireless connections that need testing ahead of manufacturing, reliable tools like the VNA400 can save time and resources when bringing products to market. Precision measurement, powerful software and optimized workflow make the VNA400 a valuable companion for numerous uses.



VNA400 Applications:

- Cable & Antenna Testing
- Return Loss/VSWR Measurements
- Filter Tuning
- Manufacturing Quality Control
- Field Use Through the Ka Band
- SMT Component Evaluation
- Impedance/Group Delay Measurements
- Research & Development

The VNA400 2-Port VNA operates at a frequency range of 40 MHz to 40 GHz, it is USB-powered, features sub-Hz resolution and is fully automated through SCPI. With a standard operating temperature range of -4°F to 122°F (-20°C to +50°C), the VNA400 weighs 4 lbs. (1.81 kg) and measures 10.8" x 6.2" x 1.5" (274mm x 157mm x 38mm).

Visit [VNA400 Vector Network Analyzer](https://signalhound.com/products/vna400-40-ghz-vector-network-analyzer/?utm_campaign=56679129-VNA400-Launch&utm_source=sh-pr&utm_medium=email&utm_content=vna400-product) to learn more and order the VNA400.

Supporting Links:

https://signalhound.com/products/vna400-40-ghz-vector-network-analyzer/?utm_campaign=56679129-VNA400-Launch&utm_source=sh-pr&utm_medium=email&utm_content=vna400-product

Tags:

Cables & Connectors, Manufacturing, Network Slicing, Networking, Research, RF, Semiconductors, Signal Integrity, Test & Measurement, Wireless Infrastructure, Wireless Standards

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About Us:

Heading : About Signal Hound

Signal Hound is a manufacturer of accessible, versatile, precision test equipment based in Battle Ground, WA. Starting out as Test Equipment Plus in 1996 and offering used test equipment and repair services, Signal Hound expanded its offerings in 2010 with the introduction of the USB-SA44 USB-powered spectrum analyzer. Signal Hound has since added several award-winning RF spectrum analyzers and signal generators, now sold globally. Visit www.signalhound.com for more information.