Venable Instruments is pleased to introduce the next generation of precision measurement solutions for power supply design.

The Venable Model 8800 Frequency Response Analyzers combine the latest analog and digital technology with advanced DSP to provide versatile test and analysis functions. This single, comprehensive hardware and software system performs many sophisticated test functions and boasts an expanded bandwidth of 10µHz to 5, 20 or 40MHz along with 2 input channels protected to 600 Vpk and a digital data port to interface to a target processor.

Venable Instruments incorporates the latest CPLD technology to unleash the power of a dedicated processor, performing all data acquisition and analysis functions. A separate processor handles all the communication functions. Optimum performance derives from the use of storage within the CPLD, which enables synchronous buffering between the processor and the analog hardware. The digital interface “Sync” signal provides synchronization between analog and digital hardware. The 8800 series performs simultaneous analysis on both analog input channels and the digital target processor, reliably capturing all data. The digital interface can be disabled, via software, to use the analyzer in a standard 2 channel, analog only, configuration.

The 8800 series, combined with Venable’s renowned and proprietary K-Factor based software, now known as Stability Analysis™, is your most complete, accurate, easy to use system for power supply design. Our Spice™ like modeler and 3 circuit topologies provides the design engineer with a single measurement solution, eliminating trial and error and increasing productivity. Results and graphs are easily exported in jpeg or .ven file format for presentation graphics or off-line number crunching.” Others can view the .ven files via our READER, downloadable at no cost.

This truly versatile instrument, complete with its wide range of applications is available to you packaged in a tough, yet portable case, weighing just 12 pounds. Engineers and scientists now have the speed and technology for production, R&D Labs, academia, or field operations bundled into a compact and affordable system, the Venable Model 8800 series.

Venable, a pioneer in stability analysis for over 35 years, continues to support the test and measurement customers with cutting edge instruments and analysis software.

“World Leader in Stability Analysis Systems and Engineering”