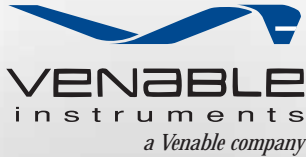


Model 3225



Venable Instruments introduces a new family of "High Frequency" test instrumentations. The Venable **Model 3225** Frequency Response Analyzer combines the latest analog and digital technology with advanced digital signal processing to provide versatile test and analysis functions. This single comprehensive unit performs many sophisticated test functions. Boasting features as a bandwidth of .01Hz to 25MHz, 2-channels, 10 Vpk input and using Venable's renowned v4.0 software, the 3225 is your most complete, accurate and easy to use system for phase/gain and impedance measurements. Operating through IEEE-488 bus, the Venable system imports/exports to MATLAB™ and Excel™ and saves Bode/Impedance Plots in .jpeg or .ven file format.

Venable Instruments incorporates the latest FPGA technology to unleash the power of a dedicated DSP, performing all data acquisition and analysis functions. A separate processor handles all the interface functions. Optimum performance derives from the use of distributed RAM within the FPGA, which enables asynchronous buffering between the processors and the analog hardware. The 3225 performs simultaneous analysis on both input channels, reliably capturing all data. This truly versatile instrument, complete with its wide range of applications is available to you packaged in a tough, yet portable case, weighing just 10 pounds. Engineers and scientists now have the speed and technology for production, R&D Labs, academia, or field operations bundled into one compact and affordable system, the Venable **Model 3225**.

Venable, a pioneer in stability analysis for 26 years, continues to support the test and measurement customers with cutting edge instruments and analysis software. The **Model 3225** brings an economical option to Venable's lineup of top quality instrumentation.



Description

System Frequency Range:
Generator Amplitude
DC Bias
Generator Isolation
Generator Modes

Output Amplitude
Compression
Input Channels

Meas. Technique
Bandwidth Resolution

Input coupling
Input Range
Input Accuracy
Max. Input
Max Input Withstand Voltage
Overrange alarms
PC Interface

Auxiliary Power
Power Requirements
Display
Real time display update
Data Analysis

Operating System

Venable 3225

.01Hz to 25MHz
1mVac to 10Vac
±10Vpk
Referenced to chassis ground
Single frequency, sine sweep, sweep with manual step control, amplitude servo
Dynamically adjust output to maintain a constant input level
2, Ch. 1: Differential or Single-ended (Ground referenced) , Ch. 2: Single-ended (Ground referenced)
Narrowband DFT
4 Selectable Bandwidths and DC
100 mHz, 400 mHz, 3 Hz, 20 Hz
AC and DC
1mV to 10V pk in 9 ranges
±.05dB, ±.25° typical @ 10kHz
±10Vpk
±30Vpk
LED indicator
Implements IEEE-488 standard interface for Windows in PCMCIA, PCI, USB
±12Vdc/50mA for accessories
90 to 264Vac, 48 to 62Hz, 30VA
Venable v4.0 Software Interface
Each point is plotted as acquired
Gain, phase, angle, real, imaginary, R, L, C, Z
Venable v4.0 software for Win:
95/98/NT/2000/ME/XP