



Description	Venable 3120
System Frequency Range:	10mHz to 2.4MHz
Generator Amplitude	10mV to 10V
Generator Isolation	Referenced to chassis ground
Generator modes	Single frequency, sine sweep, sweep with manual step control amplitude servo
Oscillator "servo"	Dynamically adjusted across sweep
Analyzer Channels	Two, isolated, floating
Measurement Technique	Narrowband DFT
Bandwidth Resolution	Four Selectable Bandwidths: 100 mHz, 400 mHz, 3 Hz, 20 Hz
Input coupling	AC
Input Range	10mV to 500v rms in 11 ranges
Max. Input	+500Vpk
Overrange alarms	Yes
Input Isolation: chassis	+500V from ground
CMRR	>110dB at 100V, 1KHz.
PC Interface	Implements IEEE-488 standard interface for Windows in PCMCIA, PCI, USB
Power Requirements	90 to 264V, 48 to 62Hz, 30VA
Display	Venable v3.1 Software Interface
Real time display update	Each point is plotted as acquired
Data Analysis	Gain, angle, real, imaginary, R, L, C, Z, q, tan delta, theta
Support	Total system by factory engineers: hardware, software, applications
Reliability	Calibration traceable to NIST; recommended recalibration once per year.

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