

## Equipment List




Image	Product	Description
	VNA 37369A 40 GHz <i>Vector network analyzer</i>	Anritsu 37369A Vector Network Analyzer, 40 MHz to 40 GHz The 37369A network analyzer integrates a synthesized source, S-parameter test set and tuned receiver into a single compact package that is ideal for bench-top testing. It provides: 40 MHz to 40 GHz; Fast Sweeping Synthesized Source; Auto Reversing Test Set; Solid-State Transfer Switch; Four Independent Displays; Four Channel Receiver; Internal Hard and Floppy Disk Drives; LRL/LRM Calibration; Adapter Removal Calibrations; Fast Measurement Throughput via GPIB.
	VNA ENA E5061B 3GHz <i>Vector network analyzer</i>	E5061B responds to various measurement needs, from LF to RF. The Agilent E5061B is a member of the ENA Series network analyzers. The E5061B addresses a broad range of measurement needs of electronic components and circuits from low to high frequencies. The E5061B now provides a new standard of frequency-domain device analysis from 5 Hz to 3 GHz. LF-RF NA Option: E5061B-3L5 Comprehensive LF-to-RF network analysis. The E5061B-3L5 LF-RF NA option offers versatile network analysis in the broad frequency range from 5 Hz to 3 GHz. Comprehensive LF network measurement capabilities including built-in 1 MO inputs have been seamlessly integrated with the high-performance RF network analyzer. The E5061B-3L5 is the right solution for component and circuit evaluations in the R&D environment. Key Features & Specifications RF-NA option 100 kHz to 1.5 GHz / 3 GHz Transmission / Reflection test set and S-parameter test set 50 Ohms and 75 Ohms system impedance LF-RF NA option 5 Hz to 3 GHz 50 Ohms S-parameter test set Gain-phase test port (1 MO / 50 Ohms inputs) DC-bias source Impedance analysis function (option 005) !!! Not yet available at UCL-WELCOME !!!
	VNA FieldFox 18 GHz <i>Vector network analyzer</i>	Keysight N9917A 18 GHz Fieldfox Microwave Analyzer Cable & Antenna Analyzer plus petit que span style="white-space: pre;"> plus petit que /span>Option 210 : VNA transmission/Reflection plus petit que span style="white-space: pre;"> plus petit que /span>Option 211 : VNA full 2-port S-parameters




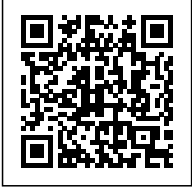


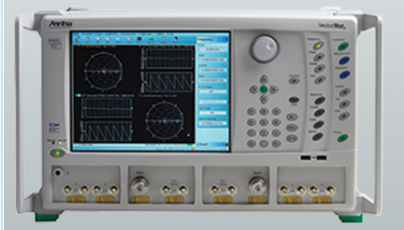

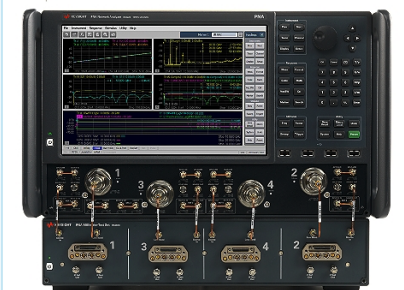

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	<p>VNA HP 4195 <i>Vector network analyzer</i></p> 	<p>The 4195A Network/Spectrum analyzer provides excellent vector network and spectrum measurement performance from 10 Hz to 500 MHz. Providing both vector network and spectrum measurement capabilities, the 4195A is a cost effective solution for the development and production testing of analog devices. For improved performance and simple operation, many new and powerful features have been included, thus making the 4195A an ideal tool for the analog design engineer. In addition to measuring a complete set of network and spectrum parameters, the 4195A can automatically derive impedance parameters from S-parameters. Direct impedance measurements from 100 kHz to 500 MHz can be performed using the optional 41951A Impedance test kit.</p>
	<p>VNA HP8753C <i>Vector network analyzer</i></p> 	<p>HP 8753C &amp; 85047 test set Options : 002-006 Features &amp; Specifications - Measures reflection and transmission characteristics of two-port devices in either direction with a single connection. - Includes a frequency doubler that can be switched in to measure 3 MHz to 6 GHz in a single sweep - Full frequency range of 300 kHz to 6 GHz is available for 8753D/E/ES and selected 8702 configurations - Exhibits &lt;5 dB insertion loss between the RF input and the test ports - 15 dBm at the test port - Includes a programmable step attenuator</p>
	<p>VNA mmW 110-170 GHz frequency extender <i>Vector network analyzer</i></p> 	<p>Millimeter-Wave Signal Analyzer Frequency Extension Module, D-Band : 110 to 170 GHz</p>
	<p>VNA MS4644B 40 GHz <i>Vector network analyzer</i></p> 	<p>Anritsu MS4644B Vector Network Analyzer plus petit que span style="white-space: pre;"&gt; plus petit que /span&gt;- 10 MHz-40 GHz plus petit que span style="white-space: pre;"&gt; plus petit que /span&gt;- 2-Ports</p>
	<p>VNA N5291A 125 GHz <i>Vector network analyzer</i></p> 	<p>Keysight N5291A - Single Sweep 900Hz-125 GHz PNA - 2 Ports - Dynamic range &gt;110 dB - Output Power max 6 dBm - THz ready</p>

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	<p>VNA PNA-X N5242B 26.5GHz 4-Ports <i>Vector network analyzer</i></p> 	<p>The Agilent N5242B premier-performance network analyzer is a member of the PNA Series network analyzer platform and provides highly integrated measurement capabilities for active device tests. * Integrated 4 test ports, balanced measurements ; * 130 dB dynamic range, 32 channels, 16,001 points ; * Second internal source for fast measurements of amplifier intermodulation distortion and mixer/converter conversion loss. Up to 35 times faster than using traditional external sources ; * Combining network for simplified two-tone measurements ; * internal modulators and generators for fast, simplified pulsed measurements. Up to 30 times faster than using external modulators and generators ; * Rear panel access loops and internal switches for signal conditioning or single-connection multiple measurements. Options : - 423 - 4-port - Second source - Configurable test set - Second source - Source &amp; Receiver attenuators - Bridge combiner - Mechanical switches - Bia-Tees - S93080B_1FP - Frequency-offset measurements</p>
	<p>VNA PNA-X N5247B 67GHz 4-Ports <i>Vector network analyzer</i></p> 	<p>N5247A PNA-B 67(70) GHz - 4-ports Key Features &amp; Specifications 10 MHz to 67(70) GHz - 4-Ports - Bias tee 2 built-in sources (4S7) 110 dB system dynamic range, 32,001 points, 32 channels, 5 MHz IF bandwidth High output power (+10 dBm at 67 GHz) and a wide power sweep range (40 dB) 0.1 dB receiver compression of +11 dBm at 67 GHz Options : * Pulse modulator to internal 1st source (021) * Pulse modulator to internal 2nd source (022) * IF inputs (020) * Advanced pulsed RF measurements (S93026B) * Source Phase Control (S93088B) * Enhanced time domain analysis with TDR (S93011B) With the support of : plus petit que     </p>
	<p>VNA ZVR 4GHz <i>Vector network analyzer</i></p> 	<p>Vector Network Analyzer. 10 Hz to 4 GHz.</p>