Picotest General Purpose Equipment

The G5100A - Waveform Generator
The G5100A LXI Class C compatible 50MHz Function / Arbitrary Waveform Generator uses DDS (Direct Digital Synthesis) Technology. Compared with the competition, the G5100A offers higher frequency performance, faster rise and fall times, larger memory (256Kx14 bit), a 16 bit digital pattern generator, standard 10MHz synchronization, and better stability.

- Cost-effective
- 14 bit, 125 MSa/s, 256K-point arbitrary waveform
- 50 MHz sine, 25 MHz square & 10MHz arbitrary waveforms
- Pulse, ramp, triangle, noise & DC waveforms
- Linear & log sweeps, as well as, burst modes

The M3500A - Digital Multimeter / Data Acquisition Unit The M3500A trumps the 34401A in almost every way. The M3500A is more than a 6.5 digit DMM: utilizing a 10 Channel or 20 Channel Scanner Card (optional), it is a data acquisition unit that provides the highest stability readings.

- Best price - performance ratio
- Custom slope integrating A/D for improved measurement stability
- 6.5 digit accuracy in 1PLC
- Stand-alone software
- Supports RTD and thermocouple measurements

The U6200A - Universal Counter
The Picotest U6200A offers higher frequency capability, improved oscillator temperature stability, wider measurement bandwidth, higher resolution and many other benefits compared with the competition. The U6200A CH3 is included free of charge and has a range from 375MHz to 6GHz. An optional 20GHz module is also available.

- 12 digit resolution
- Easy to use keypad
- 1mHz – 400MHz CH1 and CH2
- 375MHz to 6GHz on CH 3 included FREE

Check out the application notes and articles on test and measurement!
www.picotest.com

PICOTEST

Products for

MEASURING POWER

Test Equipment for Stability, Impedance, PSRR, Step Load, EMI, PDN, Crosstalk, Reverse Transfer, Noise

Start measuring today!
1-877-914-PICO (7426)
info@picotest.com
www.picotest.com

Picotest offers a comprehensive line of high fidelity test equipment for all types of power measurements including a VNA/FRA, specialized signal injectors (test adapters) and other general purpose equipment.

OMICRON Lab Bode 100

More Than Just a Vector Network Analyzer

OMICRON LAB

The Bode 100 is a Frequency Response Analyzer, Vector Network Analyzer and Impedance Analyzer all in one:

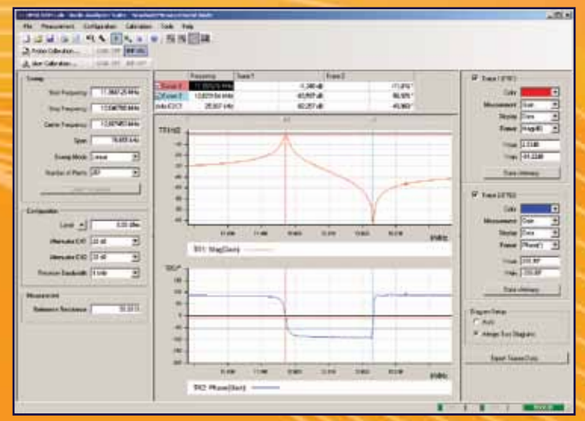
- Vector Network Analyzer (1Hz – 40MHz)
- Gain phase / Bode plot analyzer
- Impedance analyzer
- S-Parameter measurements

Key Features:

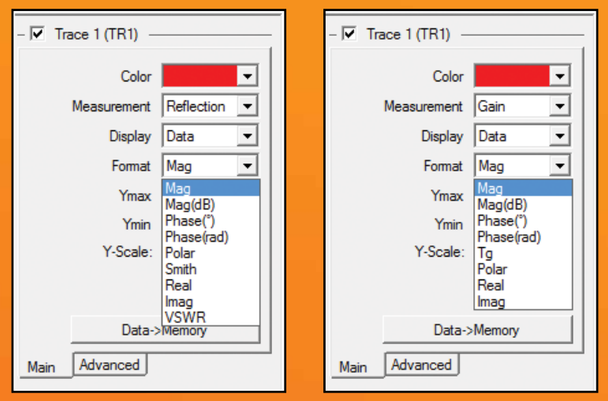
- Easy to use, software interface
- Unbeatable price-performance ratio
- Imports directly to desktop publishing tools
- Compact and portable
- Standardized automation interface with MATLAB** or Excel**
- 120dB dynamic range
- Works with Labview

Wide Variety of Applications

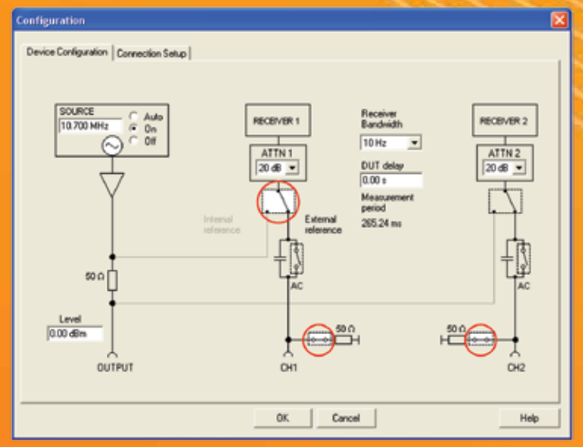
- Measure components, e.g. capacitors and inductors
- Measure impedance for PDN
- Measure filters, amplifiers and much more



The Bode 100 Analyzer Suite software.



See what you want...how you want.

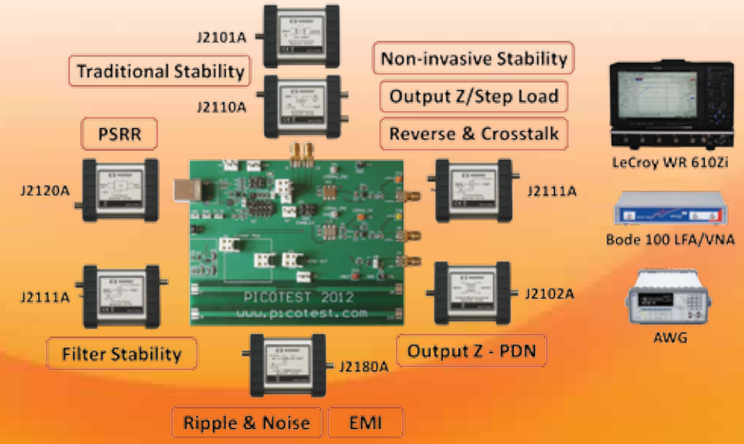


Simple graphical control panel.

Picotest Signal Injectors

Powering Your Measurements with Higher Fidelity

Signal injectors provide the interface between your test equipment and the device under test. They are essential for obtaining high resolution and high fidelity power supply, voltage regulator and Power Distribution Network (PDN) measurements. Our signal injectors enable high fidelity stability, step load, noise, PSRR, PDN, EMI, reverse transfer, crosstalk, impedance (power supplies, opamps, ESR, DCR, batteries), and DC bias (inductors, opto-couplers, diodes) measurements. They can be used with any manufacturer's oscilloscope, network analyzer, FRA, VNA, or spectrum analyzer.



Visit www.picotest.com/wemeasurepower2012 to see our interactive online presentation.

J2100A/J2101A 1-5MHz/10-45MHz Injection Transformers

- High quality wide bandwidth, vastly superior to audio/video transformer solutions
- J2100A supports PFC regulators & most power supplies
- J2101A supports off-line power supplies and voltage regulators

J2102A Common Mode Transformer

- Greatly attenuates the effects of low frequency ground loops
- Supports the 2 Port Shunt Thru impedance measurement required for Power Distribution Networks (PDNs)
- Maintains 50 Ohm transmission line integrity to approximately 500MHz

J2110A DC-45MHz Solid State Voltage Injector, Bode Box

- DC-45MHz supports high performance control systems and amplifiers
- Low distortion non-mixing front end
- 25 Ohm insertion resistance
- 50 Ohm oscillator input
- < 3uA typical bias current
- >2 MΩ typical input resistance

J2111A/J2112A DC-40MHz Solid State Current Injector

- Ultra-fast rise and fall time
- DC-40MHz usable range (interconnection dependent)
- J2111A works with positive or negative power supplies
- Built-in offset for use with network analyzer
- Precision current monitor with 50 Ohm output
- Works with arbitrary waveform analyzers, function generators and network analyzers
- 100mA (J2111A) and 1A (J2112A) versions

J2120A Line Injector

- Allows the measurement of PSRR, ripple rejection and conducted susceptibility
- 10Hz-10MHz usable bandwidth
- 5 Amp maximum current
- 50VDC max input

J2130A DC Bias Injector

- 10Hz-10MHz usable bandwidth
- Useful for measuring capacitor voltage sensitivity (especially for X5R dielectric), varactors and junction capacitance
- Bias low power transistor amplifiers and diodes for parameter extraction
- AC coupled single-port impedance measurement

J2140A 10dB/20dB/40dB Cascadable Attenuators

- Integrated unit includes 40dB, 20dB and 10dB
- Cascadable for attenuation up to 70dB
- Improve noise floor and assure small signal measurement

J2180A Preamplifier

- Provides a fixed, AC coupled 20dB gain
- 1 MOhm input impedance compatible with typical probes minimizes circuit loading
- 50 Ohm output impedance
- 0.1Hz to 100MHz 3dB bandwidth
- Improves the sensitivity of oscilloscopes, network analyzers and spectrum analyzers
- Improves the noise floor and spurious response
- Works with all scopes, spectrum analyzers and VNAs
- Active DC bias loop maintains low DC output voltage