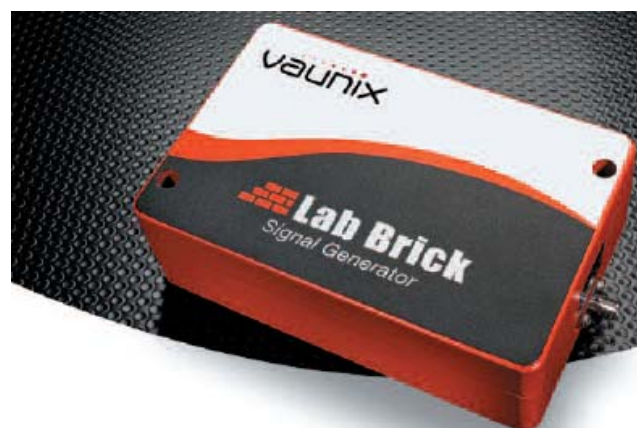




Wake up your further dream.



## Lab Brick® LSG Signal Generators

- USB powered and controlled
- Includes easy to install and use GUI
- Programmable frequency stepping
- Operate multiple devices directly from a PC or self-powered USB hub
- Autonomous operation from USB hub or battery pack
- Easily programmable for ATE applications
- Robust aluminum construction
- Customization available for unique requirements
- API DLL and LabVIEW compatible drivers available

The Lab Brick LSG Signal Generators cover frequencies from 20 MHz to 6 GHz with high output levels and excellent spectral purity. They require no additional DC supply voltage and offer several operating modes, including continuous-wave (CW) and swept-frequency. GUI software can track and control several connected signal generators, simplifying multiple-signal test setups. Each device stores settings in internal memory, allowing it to power up in a specific instrument state.

### Applications include:

- Automated Test Equipment (ATE)
- Portable LO Source
- Engineering/Production Test Lab

Model	Description	Phase Noise @ 10/100kHz offset	Output Power (dBm)
LSG-121	20 to 120 MHz	-105/-125	+10 to -45
LSG-251	50 to 250 MHz	-105/-125	+10 to -45
LSG-451	70 to 450 MHz	-105/-125	+10 to -45
LSG-152	250 to 1500 MHz	-95/-115	+10 to -45
LSG-222	500 to 2200 MHz	-90/-110	+10 to -45
LSG-402	1000 to 4000 MHz	-85/-105	+10 to -45
LSG-602	1500 to 6000 MHz	-75/-95	+10 to -40

<b>Frequency</b>	
Resolution	100 kHz
Accuracy	±2 PPM
Switching	10 ms
<b>Spurious</b>	
Typical	-80 dBc
Maximum	-70 dBc
<b>VSWR (max)</b>	1.5:1
<b>Harmonics (max)</b>	-10 dBc
<b>Standard Operating Modes</b>	Fixed frequency Frequency stepping - single sweep Frequency stepping - repeat sweep
<b>Available Options</b>	
Opt 001	External reference
Opt 002	+13 dBm output power
<b>RF Connector</b>	SMA-female
<b>USB Connector</b>	miniB-female
<b>Dimensions</b>	4.90 x 3.14 x 1.59 in. (124 x 80 x 40 mm)
<b>Weight</b>	< 1.0 lbs. (< .45 kg)
<b>Included Accessories</b>	USB Flash Drive with GUI Software & User Manual/Programming Guide 6' Type miniB-female Cable

1. Customized models are available tailored to specific performance requirements.  
2. Output power capability to +26 dBm on select models.  
Specifications are subject to change without notice.



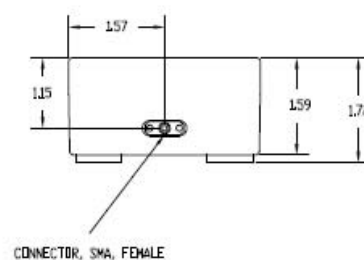
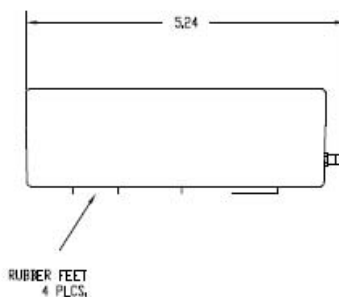
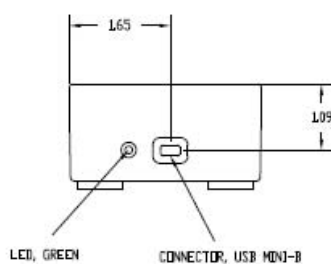
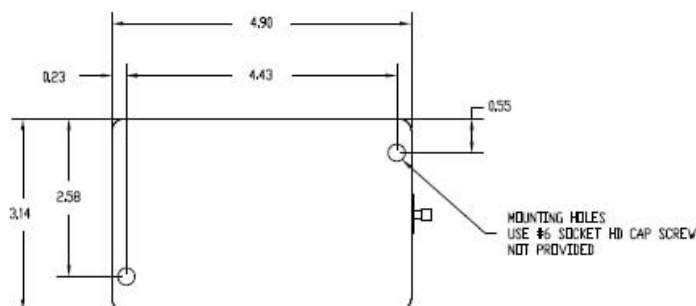
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978-662-7839 | [www.Vaunix.com](http://www.Vaunix.com)



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## Lab Brick<sup>®</sup> LSG Signal Generators



See performance graphs online at [www.vaunix.com](http://www.vaunix.com)