

Lab Brick[®] Signal Generator



Lab Brick Signal Generators are powered and controlled by a PC or laptop via any USB port. The graphical user interface (GUI) features intuitive controls with a large, uncluttered display making these devices simple to use. Their rugged design, low price and ease of programming make them ideal for the engineering lab, manufacturing floor, ATE systems, on-site service calls and product demonstrations.

Features/Benefits

- > **Exceptional value with prices starting at \$1399**
- > **Includes easy to use virtual front panel GUI interface**
- > **Power multiple devices directly from a PC or self powered USB hub**
- > **At less than 1 pound, Lab Brick Signal Generators are easily portable**
- > **Sized to fit into a single rack unit for ATE applications**
- > **Customization available for unique requirements**

Overview

Signal generators have traditionally been amongst the most expensive pieces of test equipment found in RF and microwave test laboratories. Due to their high cost they are often in short supply and must be shared among multiple employees, between various test set-ups and sometimes even among multiple laboratories. This lack of equipment can result in delayed schedules, decreased productivity and in the worst cases it can create unhealthy competition for resources among coworkers.

With this in mind, Vaunix Technology Corporation has introduced the innovative line of Lab Brick Signal Generators. Covering 50 MHz to 6 GHz in four models, these devices deliver a true phase-locked RF signal with full output power control just like expensive, full sized, RF signal generators but at a fraction of the price. Lab Brick Signal Generators are a fast, easy to use and cost-effective solution to most signal generation needs.

Specifications

Models

- LSG-251 50 to 250 MHz
- LSG-152 250 to 1500 MHz
- LSG-402 1000 to 4000 MHz
- LSG-602 1500 to 6000 MHz

Electrical

- 100 kHz Frequency Resolution
- Fixed Frequency and Sweep Modes
- +10 dBm Output Power
- 55 dB Output Power Control (50 dB for LS-602)
- 0.5 dB Output Power Setting Resolution
- Typically -80 dBc Non-Harmonic Spurious

Dimensions

- Length: 4.90 in. (124mm)
- Width: 3.14 in. (80mm)
- Height: 1.59 in. (40mm)
- Weight: <1 lbs (<0.45Kg)

Physical Connections

- Power & Control: USB Type MiniB - female (6' cable supplied)
- RF Output: SMA - female
- Mounting: Counter-bore Through Holes (2)

Power Requirements

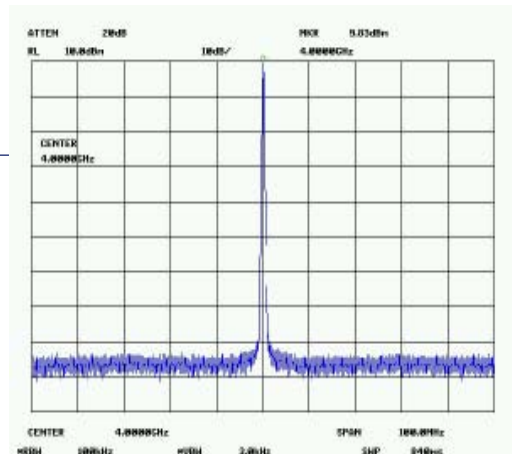
- Powered from USB Connection

Environmental

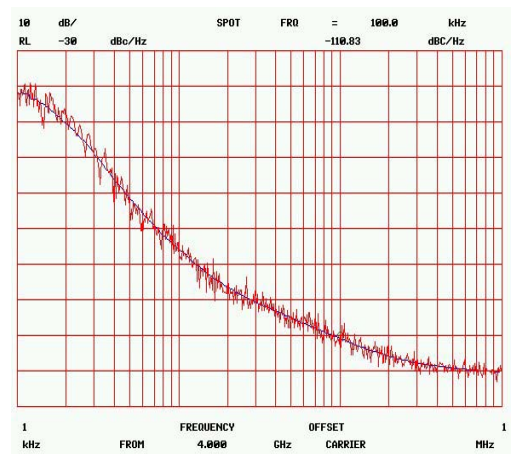
- Operating Temperature: 0°C to 50°C
- Relative Humidity: <95% (non-condensing)



Graphical User Interface - LSG-402



Typical Spurious Performance



Phase Noise of LSG-402 at 4000 MHz

Need a custom design?

Please contact the factory with your requirements.

Vaunix Technology Corporation
242 Neck Road
Haverhill, MA 01835
978-662-7839
www.Vaunix.com

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