



DS INSTRUMENTS

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REV3

SG6000X – COMPACT DUAL-CHANNEL RF SIGNAL GENERATOR



Welcome to the industry standard for compact and affordable automated signal generation!

Simple to control in stand-alone mode, easy to program in automated setups via serial commands over the driverless USB connection, or our included PC software.

Models and Options

- Optional Ethernet connection (SG6000E)
- Optional harmonic filtering (SG6000F)
- Internal Li-Ion battery (SG6000B)
- **Dual-channel version (SG6000X)**
- Low phase-noise version (SG6000PRO)
- 12GHz frequency range (SG12000)
- 22GHz Ku-band version (SG6000LDQ)



2018 New Features!

- Power Calibration improvements
- RF-OFF state signal leakage reduced
- Improved GUI control software
- Lower USB power usage
- Lower harmonics
- External reference source auto-detect
- USB low-voltage warning

SG6000 Specifications:

- Independent Channels: 2
- Frequency Range: 25-6000 MHz
- Calibrated power output (-20 to +10dBm)
- Phase Noise: -74dBc @ 10KHz offset
- Harmonics: < -12dBc typical
- Attenuator (digital): 64x 0.5dB Steps
- Attenuator (variable): ~20dB (10 bit DAC)
- Dimensions: 2.75" x 1.25" x 3.15"
- Min frequency step size: 40Hz – 3KHz
- Input Voltage: 5V Standard micro USB
- Output Impedance: 50 Ohm
- RF Connectors: Premium microwave SMA
- Reference input: 10MHz MCX
- Internal reference: 10MHz (± 2.5 PPM)

Visit us for control software and tech support: www.dsinstruments.com/downloads/

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Please see the full datasheet for more information.

Thanks for your business!

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