DS INSTRUMENTS

4.4GHZ RF SIGNAL GENERATOR

Description

The DS Instruments **SG4400L** compact RF Signal Generator enables users to generate a high quality RF signal easily and at low cost. The output covers 35 to 4400 MHz. The produced wave is fully synthesized using modern fractional N

synthesis. The step size of the RF output varies from a maximum of ~1.5KHz to less than 25Hz , depending on band of operation. The synthesized source has its own internal precision 10 MHz reference frequency. Maximum output power is calibrated to +**15dBm**, and can be adjusted in 0.5dB steps down to **-45dBm**. The crisp OLED display provides useful feedback for the user, and front control buttons provide a quick alternative to USB control. Like most of our products, the SG4400L easily fits in the palm of your hand, making it a truly portable and bench-space-saving device.

New 2021 REV16 with higher output power and dynamic range!

Need lower harmonic content? [SG6000F] Model

Low phase-noise, ultra small frequency step, *PureSine* model: [SG6000PRO]

Need higher frequency? Try the [SG12000]

RF Signal Generator Specifications:
- Frequency Range: **35-4400** MHz
- Power Output Range (calibrated steps): **-45 to +15dBm**
- Power Output Range (uncalibrated vernier): -55 to +17dBm Typ.
- Dimensions: 2.75″ x 1.25″ x 2.15″
- Input Voltage: 5V standard micro-USB
- Output Impedance: 50 Ohm
- RF Output Port: Premium 18GHz SMA
- 10MHz Reference Port: MCX

SG4400L Features:
- Adjustable RF signal output power
- Flexible frequency-sweeping support
- Lower phase-noise than SG6000L
- Internal ±2.5PPM 10MHz TCXO auto-reference
- Professional industry-standard SCPI command support
- Front user frequency step buttons
- Front-mounted bright OLED display
- Sturdy all-aluminum powder-coated black enclosure
- Friendly Windows control GUI
- Optional Ethernet control

Common Applications:
- Automated testing environments
- General RF Lab use
- Flexible LO sourcing
- Antenna design
- EMC Testing
- Production verification and testing
- Educational / university lab use
- Aerospace / Defense Research

Mechanical Information: