



DS INSTRUMENTS

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SG22000PRO – 22GHz LOW-NOISE WIDEBAND MICROWAVE SIGNAL GENERATOR



Welcome to the industry standard for compact high-frequency automated signal generation!

- Signal Generator Features -

- Single-band switched SMA RF output port
- Powered from robust USB-C connector
- Front panel OLED display and buttons
- Full-band output level control
- Ultra low phase-noise and spurs
- **Ethernet** port for network control
- Frequency sweeping with no PC
- External reference frequency ports
- Simple PC control software included
- 30GHz extended-range model also available!
- Compact Dimensions: 2.75" x 1.15" x 5.15"
- Rugged all-aluminum enclosure
- Temperature and voltage monitoring system

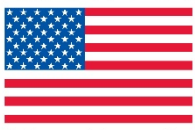
- 2021 REV 5 Specifications -

- Calibrated Frequency Range: 0.05 – 23GHz
- Extended output range: 0.01 – **24.5GHz**
- Calibrated power range <13GHz: -35 to **+15dBm**
- Calibrated power range >13GHz: -15 to **+15dBm**
- Uncalibrated power range: -40 to +16dBm
- Phase noise (6GHz): -98dBc @ 10KHz
- Phase noise (20GHz): -92dBm @ 10KHz
- Harmonics: < -15dBc typical
- Frequency change settle time: 2-5ms
- Attenuator step size (<6GHz): 0.25dB
- Attenuator step size (>6GHz): 0.50dB
- Attenuator (variable): ~0.05dB typical
- Min frequency step size: 2Hz
- Input Voltage: 5V USB-C (1.5A)
- Reference input: 10MHz & 100MHz MCX
- Internal reference: 10MHz (± 280 PPB)
- Calibrated output accuracy: ± 1.0 dB at 0dBm

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

Thanks for your business!

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