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SG30000PRO R12 – 100M TO 30GHZ LOW-NOISE WIDE-BAND MICROWAVE GENERATOR



2024 R12 Updated Features!

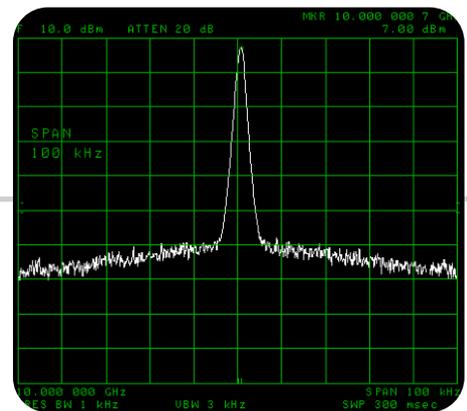
- Single RF output port (**2.4mm**)
- Ultra-stable ± 10 PPB oven reference
- Upgraded harmonic filtering (@20GHz)
- Optimized power output calibration
- Added sweep trigger options
- Lower spurious content (< -70dBc typ.)

- Standard Features -

- Ethernet port for remote operation
- Ultra-wide output frequency range
- Dual USB-C inputs for power flexibility
- Front panel OLED display and buttons
- Full-band output level control to 30GHz
- Ultra low phase-noise and spurs
- High output power > +16dBm
- Frequency sweeping with no PC
- Internal and external reference ports
- Simple PC control software included

Device Specifications:

- Frequency range: 50MHz to **30GHz**
- Calibrated output (0-22GHz): -40 to **+15dBm**
- Calibrated output (22-30GHz): -20 to **+15dBm**
- Uncalibrated output: -50 to +17dBm typical
- Phase noise (6GHz): -98dBc @ 10KHz
- Phase noise (30GHz): -90dBm @ 10KHz
- Harmonics: < **-25dBc** typical
- Internal harmonic filtering (500MHz – 30GHz)
- Attenuator step size (digital): 0.50dB
- Variable attenuator resolution: 0.05dB typ.
- Frequency step size: 2Hz
- Reference input: 10MHz & 100MHz MCX
- Internal reference: 10MHz (± 10 PPB)
- Precision **2.4mm** (50GHz rated) output port
- Compact Dimensions: 4.15" x 1.15" x 5.15"



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Contact us for more information.

Visit www.ds instruments.com for control software downloads!

(Updated 6/15/24)

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