

# GSG Series Comparison Chart



Upgradable to all constellations and signals



Advanced Multi-Frequency  
GNSS Simulator



Advanced Multi-Channel  
GNSS Simulator



Single Channel  
GNSS Tester

Model	GSG-6 Series	GSG-5 Series	GSG-51
Channels	32, 48, 64	4, 8, 16	1
Simultaneous Frequencies	2, 3, 4	1	1
Constellations	GPS standard; GLONASS, Galileo, BeiDou, QZSS optional (contact Spectracom for availability of future constellations)		
Signal Types (Frequencies)	L1 standard; L2, P-code, pseudo P(Y), L2C, L5, E1, E5, E6, B1, B2 optional	L1 standard; E1, B1 optional	L1
Power	-65 to -160 dBm resolution: 0.1 dBm to -150 dBm, 0.3 dBm to -160 dBm accuracy: $\pm 1.0$ dBm		
Size/Weight	W x H x D: 210 x 90 x 395 mm (8.25" x 3.6" x 15.6") Weight: 2.7 Kg (approx. 5.8 lbs)		
Interfaces	GPIB, USB, Ethernet SCPI command set, web browser interface		
Timing Features	High stability OCXO internal oscillator, 10 MHz input/output, 1PPS output, external trigger		
Dynamic Trajectories	Yes		No
Advanced Features	SBAS, White Noise, Multipath, Interference, Leap Second, Environmental Modeling		No
Optional Features	Sensor Simulation, Real-time Scenario Generator, Record and Playback, Jamming, D-GNSS/RTK, High Velocity		No
GSG StudioView Windows Software	One license per unit included, multi-license options available		N/A
Upgrade Path	Firmware upgrades on constellations and signal types. Factory upgrade for channels/ simultaneous frequencies.	Firmware upgrade on constellations and channels up to 16. Factory upgrade for >16 channels and multi-frequency.	