GSP-9330B



















PRACTICAL, AFFORDABLE AND NEVER CARELESS!

GSP-9300B is a 3GHz spectrum analyzer to meet basic RF measurement requirements. It provides the frequency stability of 0.025ppm; the aging rate of 1ppm/year; a built-in preamplifier; the base noise of -149dBm/Hz, and more than 20 measurement applications, including AM/FM modulation signal analysis, signal channel analysis, and CATV parameter test. While collocating with TG option, GSP-9300B can conduct frequency response or power linearity tests for components.

For monitoring signals, GSP-9300B provides Topographic display mode, which is capable of distinguishing continuous or random signals by using color temperature. Spectrogram mode provides a time axis on spectrum display that allows users to observe signal variations based upon the reference of time. Split window mode allows different parameter settings for each display window. Additionally, GSP-9300B also provides user-friendly user interfaces such as display mode, help, multi-languages, and fast data logging, etc. Interfaces and software include USB/RS-232/LXI/MicroSD/GPIB (option)/DVI output and dedicated PC software IVI Driver.

GSP-9300B, with its unique features, including auto wake-Up, sequence function, and limit line testing, is specially designed to meet the requirements of production lines. The patent design of heat conduction allows GSP-9300B to substantially reduce the warm-up time so as to expedite production processes. Options include tracking generator, carrying bag, battery module, EMI antenna set and rack accessories. The compact design of GSP-9300B satisfies either field testing or the integration of automatic testing systems.

To sum up, GSP-9300B is a stable, light and all-purpose test equipment, which is the most ideal choice for the educational market, production line, and general signal monitoring applications, etc. Most important, the pricing of GSP-9300B is beyond your imagination and it is the number one choice for users with budget considerations.

Frequency Stability: 0.025ppm

Wireless communications applications are nowadays ubiquitous. Signals in the limited spectrum are getting very crowded. Therefore, the demands of signal efficiency and frequency stability are higher and stricter. To meet high precision measurement requirements, GSP-9300B provides the frequency stability of 0.025ppm and the aging rate of 1ppm/year, which only appear in high-end T&M equipment.

Built-in Preamplifier

Engineers often face the challenge of measuring small RF signals during product development stage. GSP-9300B's built-in preamplifier provides the base noise of -149dBm. When collocating with the built-in EMI filter and the dedicated EMI near field probe, GSP-9300B can conduct EMI tests and debugging.

More Than 20 Measurement **Applications**

GSP-9300B provides rich signal processing functions, including AM/FM modulation signal analysis, signal channel analysis, and CATV parameter test, characteristic test on signal stability, and frequency response or power linearity tests for components to substantially bring up the measurement convenience. Most competitors in the same class only offer a few test functions, and the standard built-in functions of GSP-9300B are options for competitors.



FEATURES

- Frequency Range: 9kHz ~ 3 GHz
- 0.025ppm Frequency Stability and 1ppm Aging Rate
- Built-in Preamplifier, 50dB Attenuator, and Sequence Function
- RBW: 1Hz ~ 1MHz
- Sensitivity: -149dBm/Hz (@PreAmp on)
- Built-in AM/FM Demodulation & Analysis
- Built-in P1dB point, Harmonic, Channel Power, N-dB Bandwidth, OCBW, ACPR, SEM, TOI, CNR, CTB, CSO,
 Noise Marker, Frequency Counter, Time Domain Power, Gated Sweep
- Built-in Spectrogram, Topographic and Dual-View Display Modes
- Remote Control Interface : LAN, USB, RS-232
- Options : Tracking Generator, GPIB Interface

APPLICATIONS

- For the Quick Check and Analysis of Spectral Characteristic
- Analyze AM, FM Signal Characteristics
- Monitor Satellite Uplink Signals From Satellite Uplink Truck
- Test Systems That Require a Very Compact Instrument
- Measure The Frequency Response of Cable, Attenuator, Filter and Amplifier

RELATED PRODUCTS INFORMATION: GKT-008 Near Field Probe GLN-5040A LISN GIT-5060 Isolation Transformer GPL-5010 Transient Limiter

SPECIFICATIONS			
FREQUENCY			
FREQUENCY			
Range Resolution	9 kHz ~ 3 GHz 1 Hz		
FREQUENCY REFERENCE			
Accuracy Aging Rate	±(period since last adjustment x aging rate) + stability over temperature + supply voltage stability ± 1 ppm max.	1 year after last adjustment	
Frequency Stability Over Temperature Supply Voltage Stability	± 0.025 ppm ± 0.02 ppm	0~50°C	
FREQUENCY READOUT ACCURACY	/marker frequency indication y frequency reference accuracy		
Start, Stop, Center, Marker Trace Points	±(marker frequency indication x frequency reference accuracy + 10% x RBW + frequency resolution) Max. 601 points, Min. 6 points		
MARKER FREQUENCY COUNTER			
Resolution Accuracy	1 Hz, 10 Hz, 100 Hz, 1 kHz ±(marker frequency indication X frequency reference accuracy	RBW/Span >=0.02; Mkr level to DNL>30 dB	
FREQUENCY SPAN	+ counter resolution)		
Range Resolution	0 Hz (zero span), 100 Hz ~ 3 GHz		
Accuracy	1 Hz ± frequency resolution	RBW : Auto	
PHASE NOISE		F. 1CH PRW 1HI VRW 10H A NO	
Offset from Carrier 10 kHz 100 kHz	<-88 dBc/Hz <-95 dBc/Hz	Fc=1GHz;RBW=1kHz,VBW=10Hz;Average≥40 Typical Typical	
1 MHz RESOLUTION BANDWIDTH (RBW) F	<-113 dBc/Hz	Typical	
Filter Bandwidth	1 Hz ~ 1 MHz in 1-3-10 sequence 200 Hz, 9 kHz, 120 kHz, 1MHz	-3dB bandwidth -6dB bandwidth	
Accuracy Shape Factor	± 8%, RBW = 1 MHz ; ± 5%, RBW < 1 MHz <4.5 : 1	Nominal Normal Bandwidth ratio: -60dB:-3dB	
VIDEO BANDWIDTH (VBW) FILTER Filter Bandwidth	1 Hz ~ 1 MHz in 1-3-10 sequence	-3dB bandwidth	
AMPLITUDE	1 112 ~ 1 Wil 12 III 1-5-10 sequence		
AMPLITUDE RANGE			
Measurement Range	100 kHz ~ 1 MHz 1 MHz ~ 10 MHz	Displayed Average Noise Level (DANL) to 18 dBm DANL to 21 dBm	
	10 MHz ~ 3 GHz	DANL to 21 dBm DANL to 30 dBm	
ATTENUATOR Input Attenuator Range	0 ~ 50 dB, in 1 dB steps	Auto or manual setup	
MAXIMUM SAFE INPUT LEVEL	0 30 dB, III 1 dB 3tcp3	rate of manual setup	
Average Total Power DC Voltage	≤+33 dBm ± 50 V	Input attenuator ≥10 dB	
1 dB GAIN COMPRESSION			
Total Power at 1st Mixer Total Power at the Preamp	> 0 dBm > -22 dBm	Typical ; Fc≥ 50 MHz; preamp. off Typical ; Fc≥ 50 MHz; preamp. on	
		Mixer power level (dBm) = input power (dBm) - attenuation (dB)	
DISPLAYED AVERAGE NOISE LEVEL (DANL) Preamp off 0 dB attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; VBW 10 Hz; span 500 Hz; reference level = - 60 dBm;			
Preamp off	trace average ≥ 40	7 10 112, VBW 10 112, 3pail 300 112, reference level = - 00 dBH,	
9 kHz~100 kHz 100 kHz~1 MHz	< -93 dBm < -90 dBm - 3 x (f/100 kHz) dB	Nominal Nominal	
1 MHz~10 MHz	< -122 dBm	Nominal	
2.7 ~ 3.25 GHz	<-116 dBm	Nominal	
Preamp on	0 dB attenuation; RF Input is terminated with a 50Ω load. RBW trace average≥40	7 10 Hz; VBW 10 Hz; span 500 Hz; reference level = - 60 dBm;	
100 kHz~1 MHz 1 MHz~10 MHz	< -108 dBm - 3 x (f/100 kHz) dB < -142 dBm	Nominal Nominal	
10 MHz~3.25 GHz	<-142 dBm + 3 x (f/1 GHz) dB	Nominal	
LEVEL DISPLAY RANGE Scales	Log, Linear		
Units	dBm, dBmV, dBuV, V, W	Logicale	
Marker Level Readout	0.01 % of reference level	Log scale Linear scale Single/Split Windows	
Level Display Modes Number of Traces	Trace, Topographic, Spectrogram 4	Single/Split Windows	
Detector Trace Functions	Positive-peak, negative-peak, sample, normal, RMS (not Video), Quasi-Peak (EMI), Average (EMI), Clear & Write, Max/Min Hold, View, Blank, Average		
	, בימיייין, יייכיימקכי		
ABSOLUTE AMPLITUDE ACCURACY			
Absolute Point		g scale; 1 dB/div; peak detector; 23°C±1°C; Signal at Reference Level	
	Center=160 MHz ; RBW 10 kHz; VBW 1 kHz; span 100 kHz; lo \pm 0.3 dB \pm 0.4 dB	g scale; 1 dB/div; peak detector; 23°C±1°C; Signal at Reference Level Ref level 0 dBm; 10 dB RF attenuation Ref level 0 dBm; -30 dB RF attenuation	
Absolute Point Preamp Off Preamp On FREQUENCY RESPONSE	± 0.3 dB ± 0.4 dB	Ref level 0 dBm; 10 dB RF attenuation	
Absolute Point Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB	Ref level 0 dBm; 10 dB RF attenuation	
Absolute Point Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C	Ref level 0 dBm; 10 dB RF attenuation	
Absolute Point Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ~ 3 GHz	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB	Ref level 0 dBm; 10 dB RF attenuation	
Absolute Point Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ~ 3 GHz ATTENUATION SWITCHING UNCER Attenuator Setting	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB **TalNTY** 0 ~ 50 dB in 1 dB step	Ref level 0 dBm; 10 dB RF attenuation Ref level 0 dBm; -30 dB RF attenuation	
Absolute Point Preamp Off Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ~ 3 GHz ATTENUATION SWITCHING UNCER' Attenuator Setting Uncertainty	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB TAINTY 0 ~ 50 dB in 1 dB step ± 0.25 dB	Ref level 0 dBm; 10 dB RF attenuation	
Absolute Point Preamp Off Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ~ 3 GHz ATTENUATION SWITCHING UNCER' Attenuator Setting Uncertainty RBW FILTER SWITCHING UNCERTAI 1 Hz ~ 1 MHz	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB TAINTY 0 ~ 50 dB in 1 dB step ± 0.25 dB	Ref level 0 dBm; 10 dB RF attenuation Ref level 0 dBm; -30 dB RF attenuation	
Absolute Point Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ~ 3 GHz ATTENUATION SWITCHING UNCER' Attenuator Setting Uncertainty RBW FILTER SWITCHING UNCERTAIL 1 Hz ~ 1 MHz LEVEL MEASUREMENT UNCERTAIN	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB TAINTY 0 ~ 50 dB in 1 dB step ± 0.25 dB NTY ± 0.25 dB	Ref level 0 dBm; 10 dB RF attenuation Ref level 0 dBm; -30 dB RF attenuation Reference: 160 MHz, 10dB attenuation Reference: 10 kHz RBW	
Absolute Point Preamp Off Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ~ 3 GHz ATTENUATION SWITCHING UNCER' Attenuator Setting Uncertainty RBW FILTER SWITCHING UNCERTAI 1 Hz ~ 1 MHz	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB TAINTY 0 ~ 50 dB in 1 dB step ± 0.25 dB NTY ± 0.25 dB	Ref level 0 dBm; 10 dB RF attenuation Ref level 0 dBm; -30 dB RF attenuation Reference : 160 MHz, 10dB attenuation Reference : 10 kHz RBW 20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm; Reference level 0 ~ -50 dBm; Input attenuation 10 dB; RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off	
Absolute Point Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ~ 3 GHz ATTENUATION SWITCHING UNCER' Attenuator Setting Uncertainty RBW FILTER SWITCHING UNCERTAIL 1 Hz ~ 1 MHz LEVEL MEASUREMENT UNCERTAIN	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB TAINTY 0 ~ 50 dB in 1 dB step ± 0.25 dB NTY ± 0.25 dB	Ref level 0 dBm; 10 dB RF attenuation Ref level 0 dBm; -30 dB RF attenuation Reference: 160 MHz, 10dB attenuation Reference: 10 kHz RBW 20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm; Reference level 0 ~ -50 dBm; Input attenuation 10 dB;	
Absolute Point Preamp Off Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ATTENUATION SWITCHING UNCER Attenuator Setting Uncertainty RBW FILTER SWITCHING UNCERTAI 1 Hz ~ 1 MHz LEVEL MEASUREMENT UNCERTAIN Overall Amplitude Accuracy	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB TINITY 0 ~ 50 dB in 1 dB step ± 0.25 dB TY ± 1.5 dB ± 0.5 dB	Reference: 160 MHz, 10dB attenuation Reference: 160 MHz, 10dB attenuation Reference: 10 kHz RBW 20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm; Reference level 0 ~ -50 dBm; Input attenuation 10 dB; RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off Typical Preamp off; signal input -30dBm; 0 dB attenuation	
Absolute Point Preamp Off Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ~ 3 GHz ATTENUATION SWITCHING UNCER: Attenuator Setting Uncertainty RBW FILTER SWITCHING UNCERTAI 1 Hz ~ 1 MHz LEYEL MEASUREMENT UNCERTAIN: Overall Amplitude Accuracy SPURIOUS RESPONSE Second Harmonic Intercept	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB TAINTY 0 ~ 50 dB in 1 dB step ± 0.25 dB NTY ± 0.25 dB	Reference: 160 MHz, 10dB attenuation Reference: 160 MHz, 10dB attenuation Reference: 10 kHz RBW 20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm; Reference level 0 ~ -50 dBm; Input attenuation 10 dB; RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off Typical Preamp off; signal input -30dBm; 0 dB attenuation Typical; 10 MHz < fc < 775 MHz Typical; 775 MHz < fc < 525 GHz	
Absolute Point Preamp Off Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off 100 kHz ~ 2.0 GHz 2GHz ~ 3 GHz Preamp On 1 MHz ~ 2 GHz 2 GHz ~ 3 GHz ATTENUATION SWITCHING UNCER: Attenuator Setting Uncertainty RBW FILTER SWITCHING UNCERTAI 1 Hz ~ 1 MHz LEVEL MEASUREMENT UNCERTAIN: Overall Amplitude Accuracy	± 0.3 dB ± 0.4 dB Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.6 dB ± 0.8 dB TAINTY 0 ~ 50 dB in 1 dB step ± 0.25 dB TY ± 1.5 dB ± 0.5 dB	Ref level 0 dBm; 10 dB RF attenuation Ref level 0 dBm; -30 dB RF attenuation Reference : 160 MHz, 10dB attenuation Reference : 10 kHz RBW 20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm; Reference level 0 ~ -50 dBm; Input attenuation 10 dB; RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off Typical Preamp off; signal input -30dBm; 0 dB attenuation Typical; 10 MHz < fc < 775 MHz	

SPECIFICATIONS			
SWEEP			
SWEEP TIME			
Range	204 μs ~ 1000 s	Span > 0 Hz	
Sweep Mode	50 μs ~ 1000 s Continuous; Single	Span = 0 Hz; Min resolution = 10μ s	
Trigger Source	Free run; Video; External		
Trigger Slope	Positive or negative edge		
RF PREAMPLIFIER			
Frequency Range Gain	1 MHz ~ 3 GHz 18 dB	Nominal (installed as standard)	
FRONT PANEL INPUT/OUTPUT	10 00	Trommar (mistaned as standard)	
RF INPUT			
Connector Type	N-type female		
Impedance VSWR	50Ω <1.6:1	Nominal 300 kHz ~ 3 GHz ; Input attenuator ≥ 10 dB	
POWER FOR OPTION		500 KHZ 5 GHZ, IIIput attenuator = 10 db	
Connector Type	SMB male		
Voltage/Current	DC +7V/500 mA max	With short-circuit protection	
USB HOST			
Connector Type Protocol	A plug Version 2.0	Support Full/High/Low speed	
MICRO SD SOCKET			
Protocol	SD 1.1		
Support Cards	Micro SD, Micro SDHC	Up to 32GB capacity	
REAR PANEL INPUT/OUTPUT			
REFERENCE OUTPUT Connector Type	BNC female		
Output Frequency	10 MHz	Nominal	
Output Amplitude Output Impedance	3.3V CMOS 50 Ω		
REFERENCE INPUT	3012		
Connector Type	BNC female		
Input Reference Frequency	10 MHz		
Input Amplitude Frequency Lock Range	-5 dBm ~ +10 dBm Within ± 5 ppm of the input reference frequency		
ALARM OUTPUT			
Connector Type	BNC female	Open-collector	
TRIGGER INPUT/GATED SWEEP INPU			
Connector Type Input Amplitude	BNC female 3.3V CMOS		
Switch	Auto selection by function		
LAN TCP/IP INTERFACE	DI 45		
Connector Type Base	RJ-45 10Base-T; 100Base-Tx; Auto-MDIX		
USB DEVICE			
Connector Type	B plug	For remote control only; supports USB TMC	
Protocol IF OUTPUT	Version 2.0	Supports Full/High/Low speed	
Connector Type	SMA female		
Impedance	50Ω	Nominal	
IF Frequency Output Level	886 MHz -25 dBm	Nominal 10 dB attenuation; RF input : 0 dBm @ 1 GHz	
EARPHONE OUTPUT		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Connector Type	3.5mm stereo jack, wired for mono operation		
VIDEO OUTPUT			
Connector Type	DVI-I (integrated analog and digital), Single Link. Compatible	e with VGA or HDMI standard through adapter	
RS-232C INTERFACE	David Onia famala	Ty Dy DTS CTS	
Connector Type GPIB INTERFACE (OPTIONAL)	D-sub 9-pin female	Tx , Rx , RTS , CTS	
Connector Type	IEEE-488 bus connector		
AC POWER INPUT			
Power Source	AC 100 V ~ 240 V, 50/60 Hz	Auto range selection	
BATTERY PACK (OPTIONAL)			
Battery Pack Voltage	6 cells, Li-Ion rechargeable, 3S2P DC 10.8 V	With UN38.3 Certification	
Capacity	5200 mAh/56Wh		
GENERAL			
Internal Data Storage	16 MB nominal		
Power Consumption Warm-up Time	< 65 W < 30 minutes		
Temperature Range	+5 °C ~ + 45 °C	Operating	
Dimensions & Weight	-20 °C ~ + 70 °C 350(W) x 210(H) x 100(D) mm, Approx. 4.5kg	Storage Inc. all options (Basic + TG + GPIB + Battery)	
	13.8(W) x 8.3(H) x 3.9(D) inch, Approx. 9.9lb		
TRACKING GENERATOR (OPTION	, ,		
Frequency Range Output Power	100 kHz ~ 3 GHz -50 dBm ~ 0 dBm in 0.5 dB steps		
Connector Type	N-type female	50Ω Nominal	
Output VSWR	< 1.6 : 1	300 kHz ~ 3 GHz, source attenuation ≥ 12 dB	
Note: The specifications apply when the	GGD 00001	cations subject to change without notice. CSP 9330RCD1DL	

Note : The specifications apply when the GSP-9330 is powered on for at least 30 minutes to warm-up to a temperature of 20 $^{\circ}$ C to 30 $^{\circ}$ C, unless specified otherwise.

Specifications subject to change without notice. GSP-9330BGD1DH

SpectrumShot PC Software for Windows System (available on GW Instek website) IVI Driver Supports LabVIEW/LabWindows/CVI Programming (available on NI website)

Opt.03 GPIB Interface

ORDERING INFORMATION

GSP-9330B 3 GHz Spectrum Analyzer

EMC Pretest Solution: GKT-008 EMI Near Field Probe Set

GLN-5040A Line Impedance Stabilization Network GIT-5060 Isolation transformer GPL-5010 Transient Limiter

ACCESSORIES:

Power Cord, Certificate of Calibration, CD-ROM (with Quick Start Guide, User Manual, Programming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver)

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Opt.01 Tracking Generator

GSC-009 Soft Carrying Case

GRA-415 Rack Adapter Panel

Opt.02 Battery Pack

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Simply Reliable



