GSP-9330





TESTS MUST BE FAST!

GSP-9330, a high test speed spectrum analyzer with 3.25 GHz, provides the fastest 204 µs sweep speed. Users, via high speed sweep time, can easily handle and analyze modulation signals. The keys to handling modulated signals are fast sweep time and signal demodulation functions. In addition to the analog AM/FM demodulation and analysis function, GSP-9330 also provides digital signal ASK/FSK, and 2FSK demodulation and analysis capabilities. Nowadays, EMC issues are very crucial to product's design processes. Therefore, GSP-9330 has incorporated the EMC pretest solution to facilitate EMC tests. The simple and easy EMC pretest procedures from GSP-9330 can tremendously shorten users' product launch timebline.

Fastest Sweep Speed Up to 204 µs

For measuring signals, speed is one of the specifications to be considered. Perhaps, it is the most important specification. GSP-9330 provides sweep speed up to 204 μ s. Users, via high speed sweep time, can easily capture transient signals such as frequency/amplitude modulation signals, Blue tooth frequency hopping signals, tuned oscillator or other interfering signals under ISM Band.

Modulation Signal Analysis and Processing

The keys to handling modulated signals are fast sweep time and signal demodulation function. In addition to the analog AM/FM demodulation and analysis function, GSP-9330 also provides ASK/FSK digital signal demodulation capability. For the widely-utilized, low-cost and low power consumption 2FSK modulation signals, GSP-9330 also provides the complete test and analysis function to address the requirements.



EMC Pretest Solution

GSP-9330 can meet customers' EMC pretest requirements on the product development and verification stages. Users can detect and resolve problems at the early product development stage that can save time and money for product development and verification fee. As a result, users can expedite the process of products launch. GSP-9330 has the built-in EMI dedicated 200/9k/120k/1MHz filter, 20 dB low noise amplifier and Quasi-Peak/Average detection mode to conduct radiation and conduction tests after collocating with the probe set. GKT-008, the radiation test probe set, provides a complete near field test probe set to simplify the complex measurement procedures and to simulate 3m/10m far field tests from the labs. Using GKT-008 can greatly save

engineers' debugging time and the money for going back and forth to the labs. GKT-008 can collocate with the Tracking Generator function of GSP-9330 to conduct EMS pretests. For conduction tests, GKT-008 can collocate with LISN and AC Power Source to conduct electromagnetic conduction tests. If users concern EUT's large voltage variation or complexity, applying a Transient Limiter will make test equipment safer.

CONTROL

OFFICE CONTROL

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MAIN FEATURES

- Frequency Range: 9 kHz ~ 3.25 GHz
- Fastest sweep speed up to 204 μs
- Support modulation signal analysis
 - 2FSK digital signal analysis
 - · ASK/FSK digital signals demodulation and analysis
 - · AM/FM analog signals demodulation and analysis
- Complete EMC pretest solution
 - EMI Detect mode: Quasi-Peak, Average
 - EMI Filter(-6dB): 200 Hz, 9 kHz, 120 kHz, 1MHz
 - Dedicated EMC function key

APPLICABLE TO TESTS AND ANALYSIS FOR VARIOUS SIGNALS

- Signal channel analysis provides Channel Power, OCBW, ACPR, N-dB bandwidth, SEM
- CATV parameter tests focus on CNR, CSO, and CTB parameters
- Signal source's stability characteristics can be tested via Phase Noise and Phase Jitter
- Component's or system's linearity test can be confirmed by TOI and P1dB functions
- Other measurement applications include Harmonic,
 Frequency Counter, Time Domain Power, and Gated Sweep

GRAPHIC PROCESSING OF SIGNAL MONITOR

- Spectrogram traces changes of frequency and power vs.
- Topographic uses color shade to show the probability distribution of signal appearance
- Split-Window allows independent observation and settings for spectrum with different frequency bandwidths

FEATURES FOR PRODUCTION LINE APPLICATIONS

- Frequency stability of 0.025 ppm allows GSP-9330 to be stable quickly after powered up
- Users can set up automatic wake-up time to save time from manually setting
- The sequence function exempts users from writing programs
- The limit line function determines whether the tested signal passes the test

USER FRIENDLY DESIGN

- Built-in Definition Help
- Status Icons
- Support five languages (English, Simplified Chinese, Traditional Chinese, Japanese, and Russian)
- Speed save function

VARIOUS INTERFACE

- Support USB Host, RS-232, LXI C (LAN Base),
 GPIB (option)
- Support USB Device, MicroSD to save files

SOFTWARE AND DRIVER

- SpectrumShot PC Software EMC/Remote Control Mode
- IVI Driver (It needs NI VISA)

VARIOUS AUGMENTING OPTIONS

- Tracking Generator analyzes scalar network analysis and P1dB point measurements
- dedicated carrying case are ideal for Open Site operations
- GKT-008 near field probe set conducts EMI Pretest GLN-5040A/APS-7100E conducts EMI Conduction tests

RELATED PRODUCTS INFORMATION:

GKT-008 Near Field Probe

GLN-5040A LISN

APS-7100E AC Power Source

GPL-5010 Transient Limiter









CUSTOMERS

- Consumer Electronics
- Service and Maintenance
- Universities, Graduate Schools
- Military Industries
- Automotive Electronics
- Telecom and communications Industries
- Distributors for RF-Instruments Instrument leasing Companies

APPLICATIONS

- For the Quick Check and Analysis of Spectral Characteristic
- EMI Pre-compliance Testing
- Analyze ASK, FSK, 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

CDECIFICATIONS		
SPECIFICATIONS FREQUENCY		
FREQUENCY		
Range	9 kHz to 3.25 GHz	
Resolution	1 Hz	
FREQUENCY REFERENCE Accuracy	±(period since last adjustment x aging rate) + stability over ten	aperature + supply voltage stability
Aging Rate	± 1 ppm max.	1 year after last adjustment
Frequency Stability Over Temperature	± 0.025 ppm	0 °C to 50 °C
Supply Voltage Stability	± 0.02 ppm	
FREQUENCY READOUT ACCURACY		
Start, Stop, Center, Marker	±(marker frequency indication x frequency reference accuracy + 601 points	· 10% x RBW + frequency resolution)
Trace Points MARKER FREQUENCY COUNTER	601 points	
Resolution	1 Hz, 10 Hz, 100 Hz, 1 kHz	
Accuracy	±(marker frequency indication X frequency reference accuracy + counter resolution)	RBW/Span >= 0.02 ; Mkr level to DNL > 30 dB
FREQUENCY SPAN	1011 / 10011 + 205 CH	
Range Resolution	0 Hz (zero span), 100 Hz to 3.25 GHz 1 Hz	
Accuracy	± frequency resolution *1	RBW : Auto
PHASE NOISE		
Offset From Carrier	Fc = 1 GHz; RBW = 1 kHz, VBW = 10 Hz; Average ≥ 40	
10 kHz	< -88 dBc/Hz	Typical *2
100 kHz 1 MHz	< -95 dBc/Hz < -113 dBc/Hz	Typical Typical
RESOLUTION BANDWIDTH (RBW) FILTER	113 dbc/112	ιχρισαι
Filter Bandwidth	1 Hz to 1 MHz in 1-3-10 sequence	-3 dB bandwidth
	200 Hz, 9 kHz, 120 kHz, 1MHz	-6 dB bandwidth
Accuracy	± 8 %, RBW = 1 MHz; ± 5 %, RBW < 1 MHz	Nominal *3
Shape Factor	< 4.5 : 1	Normal Bandwidth ratio: -60 dB : -3 dB
VIDEO BANDWIDTH (VBW) FILTER Filter Bandwidth	1 Hz to 1 MHz in 1-3-10 sequence	-3 dB bandwidth
[1] Frequency Resolution = Span/(Trace points - 1)	1 11/2 to 1 Militz III 1-3-10 Sequence	5 db balldwidth
	the performance can be exhibited in 80% of the units with a 95% confiden	ce level over the temperature range 20 to 30 °C.
They are not covered by the product warranty.		
[3] Nominal values indicate expected performance. The	ney are not covered by the product warranty.	
AMPLITUDE PANCE		
AMPLITUDE RANGE Measurement Range	100 kHz to 1 MHz	DANL to 18 dBm
weasurement Range	1 MHz to 10 MHz	DANL to 18 dBm
	10 MHz to 3.25 GHz	DANL to 30 dBm
ATTENUATOR		
Input Attenuator Range	0 dB to 50 dB, in 1 dB steps	Auto or manual setup
MAXIMUM SAFE INPUT LEVEL Average Total Power	<+33 dBm	Input attenuator > 10 dB
DC Voltage	± 50 V	input attenuator ≥ 10 dB
1 dB GAIN COMPRESSION		
Total Power at 1st Mixer	> 0 dBm	Typical ; $Fc \ge 50 \text{ MHz}$; preamp. off
Total Power at the Preamp	> -22 dBm	Typical ; Fc ≥ 50 MHz; preamp. On
DISPLAYED AVERAGE NOISE LEVEL (DANL) *4	Mixer power level (dBm) = input power (dBm) - attenuation (d	в)
Preamp off	0 dB attenuation; RF Input is terminated with a 50 Ω load. RBW	/ 10 Hz: VRW 10 Hz: span 500 Hz:
	reference level = -60 dBm; trace average ≥ 40	7 10 112, VBW 10 112, Spail 300 112,
9 kHz to 100 kHz	< -93 dBm	Nominal
100 kHz to 1 MHz	< -90 dBm - 3 x (f/100 kHz) dB	Nominal
1 MHz to 2.7 GHz	< -122 dBm	Nominal
2.7 GHz to 3.25 GHz	< -116 dBm	Nominal
Preamp on	0 dB attenuation; RF Input is terminated with a 50 Ω load. RBW 10 Hz; VBW 10 Hz; span 500 Hz;	
	The state of the s	/ 10 Hz; VBW 10 Hz; span 500 Hz;
700 https://www.	reference level = -60 dBm; trace average ≥ 40	
100 kHz to 1 MHz	reference level = -60 dBm; trace average \geq 40 < -108 dBm - 3 x (f/100 kHz) dB	Nominal
100 kHz to 1 MHz 1 MHz to 10 MHz 10 MHz to 3.25 GHz	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm	
1 MHz to 10 MHz	reference level = -60 dBm; trace average \geq 40 < -108 dBm - 3 x (f/100 kHz) dB	Nominal Nominal
1 MHz to 10 MHz 10 MHz to 3.25 GHz	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm	Nominal Nominal
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB	Nominal Nominal
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales Units	reference level = -60 dBm; trace average \geq 40 $<$ -108 dBm - 3 x (f/100 kHz) dB $<$ -142 dBm $<$ -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W	Nominal Nominal Nominal
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W 0.01 dB	Nominal Nominal Nominal Log scale
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales Units Marker Level Readout	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W 0.01 dB 0.01 % of reference level	Nominal Nominal Nominal Log scale Linear scale
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales Units	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W 0.01 dB	Nominal Nominal Nominal Log scale
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales Units Marker Level Readout Level Display Modes	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W 0.01 dB 0.01 % of reference level Trace, Topographic, Spectrogram 4 Positive-peak, negative-peak, sample, normal, RMS(not	Nominal Nominal Nominal Log scale Linear scale
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales Units Marker Level Readout Level Display Modes Number of Traces Detector	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W 0.01 dB 0.01 % of reference level Trace, Topographic, Spectrogram 4 Positive-peak, negative-peak, sample, normal, RMS(not Video), Quasi-Peak (EMI), Average(EMI)	Nominal Nominal Nominal Log scale Linear scale Single/Split Windows
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales Units Marker Level Readout Level Display Modes Number of Traces Detector Trace Functions	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W 0.01 dB 0.01 % of reference level Trace, Topographic, Spectrogram 4 Positive-peak, negative-peak, sample, normal, RMS(not	Nominal Nominal Nominal Log scale Linear scale Single/Split Windows
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1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales Units Marker Level Readout Level Display Modes Number of Traces Detector Trace Functions ABSOLUTE AMPLITUDE ACCURACY Absolute Point	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W 0.01 dB 0.01 % of reference level Trace, Topographic, Spectrogram 4 Positive-peak, negative-peak, sample, normal, RMS(not Video), Quasi-Peak (EMI), Average (EMI) Clear & Write, Max/Min Hold, View, Blank, Average Center = 160 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; log 3 °C ± 5 °C; Signal at Reference Level	Nominal Nominal Nominal Log scale Linear scale Single/Split Windows Can be setup for each trace separately
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales Units Marker Level Readout Level Display Modes Number of Traces Detector Trace Functions ABSOLUTE AMPLITUDE ACCURACY Absolute Point Preamp Off Preamp On FREQUENCY RESPONSE	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W 0.01 dB 0.01 % of reference level Trace, Topographic, Spectrogram 4 Positive-peak, negative-peak, sample, normal, RMS(not Video), Quasi-Peak(EMI), Average(EMI) Clear & Write, Max/Min Hold, View, Blank, Average Center = 160 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; lc 23 °C ± 5 °C; Signal at Reference Level ± 0.5 dB ± 0.6 dB	Nominal Nominal Nominal Log scale Linear scale Single/Split Windows Can be setup for each trace separately og scale; 1 dB/div; peak detector; Ref level 0 dBm; 10 dB RF attenuation
1 MHz to 10 MHz 10 MHz to 3.25 GHz [4] DANL spec excludes spurious response. LEVEL DISPLAY RANGE Scales Units Marker Level Readout Level Display Modes Number of Traces Detector Trace Functions ABSOLUTE AMPLITUDE ACCURACY Absolute Point Preamp Off Preamp On FREQUENCY RESPONSE Preamp Off	reference level = -60 dBm; trace average ≥ 40 < -108 dBm - 3 x (f/100 kHz) dB < -142 dBm < -142 dBm + 3 x (f/1 GHz) dB Log, Linear dBm, dBmV, dBuV, V, W 0.01 dB 0.01 % of reference level Trace, Topographic, Spectrogram 4 Positive-peak, negative-peak, sample, normal, RMS(not Video), Quasi-Peak(EMI), Average(EMI) Clear & Write, Max/Min Hold, View, Blank, Average Center = 160 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; log 23 °C ± 5 °C; Signal at Reference Level ± 0.5 dB ± 0.6 dB Attenuation: 10 dB; Reference: 160 MHz; 20 °C to 30 °C	Nominal Nominal Nominal Log scale Linear scale Single/Split Windows Can be setup for each trace separately og scale; 1 dB/div; peak detector; Ref level 0 dBm; 10 dB RF attenuation
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SPECIFICATIONS		
ATTENUATION SWITCHING UNCERTAINTY		
Attenuator Setting Uncertainty	0 dB to 50 dB in 1 dB step ± 0.25 dB	Reference: 160 MHz, 10 dB attenuation
RBW FILTER SWITCHING UNCERTAINTY		,
1 Hz to 1 MHz	± 0.25 dB	Reference : 10 kHz RBW
LEVEL MEASUREMENT UNCERTAINTY	I as le	
Overall Amplitude Accuracy	± 1.5 dB	20 °C to 30°C; frequency > 1 MHz; Signal input 0 dBm to -50 dBm; Reference level 0 dBm to -50 dBm; Input attenuation 10 dB; RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off
	± 0.5 dB	Typical
SPURIOUS RESPONSE		
Second Harmonic Intercept	Preamp off; signal input -30dBm; 0 dB attenuation +35 dBm	Typical; 10 MHz < fc < 775 MHz
	+60 dBm	Typical; 775 MHz ≤ fc < 7.625 GHz
Third-order Intercept	Preamp off; signal input -30dBm; 0 dB attenuation	Typical, 773 WITE 2 10 < 1.023 GTZ
·	> 1 dBm	300 MHz to 3.25 GHz
Input Related Spurious	< -60 dBc	Input signal level -30 dBm, Att. Mode, Att = 0 dB; 20 °C to 30 °C
Residual Response (Inherent)	< -90 dBm	Input terminated; 0 dB attenuation; Preamp off
SWEEP		
SWEEP TIME	1000	
Range	204 μs to 1000 s 50 μs to 1000 s	Span > 0 Hz Span = 0 Hz; Min resolution=10 μs
Sweep Mode	50 μs to 1000 s Continuous; Single	Sparr = 0 $ΠΖ$, iviri resolutior = 10 $μ$ S
Trigger Source	Free run; Video; External	
Trigger Slope	Positive or negative edge	
RF PREAMPLIFIER		
Frequency Range	1 MHz to 3.25 GHz	
Gain	18 dB	Nominal (installed as standard)
FRONT PANEL INPUT/OUTPUT RF INPUT		
Connector Type	N-type female	
Impedance	50 Ω	Nominal
VSWR	< 1.6 :1	300 kHz to 3.25 GHz ; Input attenuator 10 dB
POWER FOR OPTION		
Connector Type	SMB male	was to the second
Voltage/Current USB HOST	DC + 7 V/ 500 mA max	With short-circuit protection
Connector Type	A plug	
Protocol	Version 2.0	Support Full/High/Low speed
MICROSD SOCKET		1 11 7 07 1
Protocol	SD 1.1	
Support Cards	MicroSD, MicroSDHC	Up to 32 GB capacity
REAR PANEL INPUT/OUTPUT REFERENCE OUTPUT		
Connector Type	BNC female	
Output Frequency	10 MHz	Nominal
Output Amplitude	3.3 V CMOS	
Output Impedance	50 Ω	
REFERENCE INPUT	PAIC (
Connector Type Input Reference Frequency	BNC female 10 MHz	
Input Amplitude	-5 dBm to +10 dBm	
Frequency Lock Range	Within \pm 5 ppm of the input reference frequency	
ALARM OUTPUT		
Connector Type	BNC female	Open-collector
TRIGGER INPUT/GATED SWEEP INPUT Connector Type	BNC female	
Connector Type Input Amplitude	3.3 V CMOS	
Switch	Auto selection by function	
LAN TCP/IP INTERFACE	,	<u> </u>
Connector Type	RJ-45	
Base	10 Base-T; 100 Base-Tx; Auto-MDIX	
USB DEVICE	B plug	For remote control only; supports USB TMC
Connector Type Protocol	Version 2.0	Supports Full/High/Low speed
IF OUTPUT	1	awkkarra rami ru9m zam akaca
Connector Type	SMA female	
Impedance	50 Ω	Nominal
IF Frequency	886 MHz	Nominal
Output Level EARPHONE OUTPUT	-25 dBm	10 dB attenuation; RF input : 0 dBm @ 1 GHz
Connector Type	3.5mm stereo jack, wired for mono operation	
RS-232C INTERFACE	1 - 2.271111 Stores jack, when for mone operation	
Connector Type	D-sub 9-pin female	Tx , Rx , RTS , CTS
GPIB INTERFACE (OPTIONAL)		
Connector Type	IEEE-488 bus connector	
AC POWER INPUT Power Source	AC 100 V to 240 V, 50 Hz or 60 Hz	Auto voices salastian
	I AC 100 Y 10 440 Y, 30 HZ 01 00 HZ	Auto range selection

SPECIFICATIONS				
GENERAL				
Internal Data Storage	16 MB nominal			
Power Consumption	< 65 W			
Warm-up Time	< 30 minutes			
Temperature Range	+5 °C to + 45 °C	Operating		
	-20 °C to + 70 °C	Storage		
Dimensions & Weight	350(W) x 210(H) x 100(D) mm, Approx. 4.5kg	Inc. all options (Basic + TG + GPIB)		
	13.8(W) x 8.3(H) x 3.9(D) inch, Approx. 9.9lb	13.8(W) x 8.3(H) x 3.9(D) inch, Approx. 9.9lb		
Calibration Cycle	The recommended calibration cycle is one year; calibrat	The recommended calibration cycle is one year; calibration services are available through		
	GW Instek's authorized calibration services.			
TRACKING GENERATOR (OPTIONAL) *5				
Frequency Range	100 kHz to 3.25 GHz			
Output Power	-50 dBm to 0 dBm in 0.5 dB steps			
Absolute Accuracy	± 0.5 dB	@160 MHz, -10 dBm, Source attenuation 10 dB,		
		20 °C to 30 °C		
Output Flatness	Referenced to 160 MHz, -10 dBm			
	100 kHz to 2 GHz	± 1.5 dB		
	2 GHz to 3.25 GHz	± 2 dB		
Output Level Switching Uncertainty	± 0.8 dB	Referenced to -10 dBm		
Harmonics	< -30 dBc	Typical, output level = -10 dBm		
Reverse Power	+30 dBm max.			
ConnectorType	N-type female			
Impedance	50 Ω	Nominal		
Output VSWR	< 1.6 : 1	300 kHz to 3.25 GHz, source attenuation ≥ 12 dB		
[5] The minimum RBW filter is 10kHz when the	TG output is ON.			

Note: The specifications apply when the GSP-9330 is powered on for at least 60 minutes to warm-up to a temperature of 20 °C to 30 °C, unless specified otherwise.

Specifications subject to change without notice.

GSP-9330BGD2DH

ORDERING INFORMATION

GSP-9330 3.25 GHz Spectrum Aalyzer GLN-5040A APS-7100E GPL-5010

GKT-008 EMI Near Field Probe Set **EMC Pretest Solution** GI N-5040A Line Impedance Stabilization Network

1 kVA AC Power Source APS-7100E GPL-5010 Transient Limiter







ACCESSORIES: Power Cord

OPTION

GSP-93T1 Tracking Generator (Factory installed option) GSP-93G1 GPIB Interface (Factory installed option)

OPTIONAL ACCESSORIES

GSC-009 Soft Carrying Case GSP-93G1 Rack Adapter Panel

FREE DOWNLOAD

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

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