GSP-9300B

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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

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 Preamp off	DANL) 0 dB attenuation; RF Input is terminated with a 50Ω load. RBW	/ 10 Hz; VRV/ 10 Hz; cpan 500 Hz; reference level = 60 dRm;
reamp on	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	
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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 TIME		
Range	204 μs ~ 1000 s	Span > 0 Hz
_	50 μs ~ 1000 s	Span = 0 Hz; Min resolution = 10 μ s
Sweep Mode Trigger Source	Continuous; Single Free run; Video; External	
Trigger Slope	Positive or negative edge	
RF PREAMPLIFIER		
Frequency Range	1 MHz ~ 3 GHz	
Gain	18 dB	Nominal (installed as standard)
REINPUT		
Connector Type	N-type female	
Impedance	50Ω	Nominal
VSWR POWER FOR OPTION	<1.6:1	300 kHz ~ 3 GHz ; Input 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	VEISION 2.0	Support rull/r right Low speed
Protocol	SD 1.1	
Support Cards	Micro SD, Micro SDHC	Up to 32GB capacity
REAR PANEL INPUT/OUTPUT		
REFERENCE OUTPUT	DNG C	
Connector Type Output Frequency	BNC female 10 MHz	Nominal
Output Amplitude	3.3V CMOS	
Output Impedance REFERENCE INPUT	50 Ω	
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		
Connector Type	3.5mm stereo jack, wired for mono operation	
VIDEO OUTPUT	DVII Consented as 1 1 1 1 2 2 2 2 1 1 1 1 2	ashla ashlaca ashlanda a la
Connector Type	DVI-I (integrated analog and digital), Single Link. Compa	tible with VGA or HDMI standard through adapter
RS-232C INTERFACE Connector Type	D-sub 9-pin female	Tx , Rx , RTS , CTS
GPIB INTERFACE (OPTIONAL)	5 505 7 pm remaie	
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	6 cells, Li-Ion rechargeable, 3S2P	With LINI29 2 Cartification
Voltage	DC 10.8 V	With UN38.3 Certification
Capacity	5200 mAh/56Wh	
GENERAL	16 MD naminal	
Internal Data Storage Power Consumption	16 MB nominal < 65 W	
Warm-up Time	< 30 minutes +5 °C ~ + 45 °C	Operating
Temperature Range	-20 °C ~ + 70 °C	Operating Storage
Dimensions & Weight	350(W) x 210(H) x 100(D) mm, Approx. 4.5kg	Inc. all options (Basic + TG + GPIB + Battery)
TRACKING GENERATOR (OPTIO	13.8(W) x 8.3(H) x 3.9(D) inch, Approx. 9.9lb	
Frequency Range	100 kHz ~ 3 GHz	
Output Power	-50 dBm ~ 0 dBm in 0.5 dB steps	
Connector Type Output VSWR	N-type female < 1.6 : 1	50Ω Nominal 300 kHz ~ 3 GHz, source attenuation ≥ 12 dB
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Specifications subject to change without notice. GSP-9300BGD1DH

ORDERING INFORMATION	١
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OPTIONAL ACCESSORIES

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