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.





Ihr Ansprechpartner / Your Partner:

dataTec AG

E-Mail: info@datatec.eu





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
- Battery module and 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



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

SPECIFICATIONS			
FREQUENCY			
FREQUENCY			
Range Resolution	9 kHz ~ 3.25 GHz 1 Hz		
FREQUENCY REFERENCE			
Accuracy	±(period since last adjustment x aging rate) + stability over temperature + supply voltage stability		
Aging Rate	± 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	11		
Start, Stop, Center, Marker	±(marker frequency indication x frequency reference accuracy		
Trace Points	+ 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	
•	+ counter resolution)	No wyspan z Gioży mini ierer to z roż so dz	
FREQUENCY SPAN Range	0 Hz (zero span), 100 Hz ~ 3.25 GHz		
Resolution	1 Hz	DDV A	
Accuracy PHASE NOISE	± frequency resolution	RBW : Auto	
Offset from Carrier		Fc=1GHz;RBW=1kHz,VBW=10Hz;Average≥40	
10 kHz 100 kHz	< -88 dBc/Hz < -95 dBc/Hz	Typical Typical	
1 MHz	<-113 dBc/Hz	Typical	
RESOLUTION BANDWIDTH (RBW) FI		2.40	
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 = 1MHz ; ± 5%, RBW < 1MHz <4.5 : 1	Nominal Normal Bandwidth ratio: -60dB:-3dB	
VIDEO BANDWIDTH (VBW) FILTER	NT.J . I	INOTHIAL DATIUMIULII TALIU00UD3UD	
Filter Bandwidth	1 Hz ~ 1 MHz in 1-3-10 sequence	-3dB bandwidth	
AMPLITUDE			
AMPLITUDE RANGE	100111 1 1 1 1 1	District Manual Manual Manual Andrew	
Measurement Range	100 kHz ~ 1 MHz 1 MHz ~ 10 MHz	Displayed Average Noise Level(DANL)to 18 dBm DANL to 21 dBm	
ATTENHATOR	10 MHz ~ 3.25 GHz	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	Nato of Hamail Scrap	
Average Total Power	≤+33 dBm	Input attenuator ≥10 dB	
DC Voltage 1 dB GAIN COMPRESSION	± 50 V		
Total Power at 1st Mixer	> 0 dBm	Typical; Fc≥ 50 MHz; preamp. off	
Total Power at the Preamp	> -22 dBm	Typical ; Fc ≥ 50 MHz; preamp. on	
DISPLAYED AVERAGE NOISE LEVEL (DANIA	Mixer power level (dBm) = input power (dBm) - attenuation (dB)	
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;	
	trace average≥40		
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	/ 10 Hz; VBW 10 Hz; span 500 Hz; reference level = - 60 dBm;	
100 kHz~1 MHz	< -108 dBm - 3 x (f/100 kHz) dB	Nominal	
1 MHz~10 MHz 10 MHz~3.25 GHz	< -142 dBm < -142 dBm + 3 x (f/1 GHz) dB	Nominal Nominal	
LEVEL DISPLAY RANGE	(1) 4 d biii 1 3 x (i) 1 d i 2) d b		
Scales Units	Log, Linear dBm, dBmV, dBuV, V, W		
Units Marker Level Readout	0.01 dB	Log scale _	
Level Display Modes	0.01 % of reference level Trace, Topographic, Spectrogram	Linear scale Single/Split Windows	
Number of Traces	4 Positive-peak,negative-peak,sample,normal,RMS(not Video),		
Detector Trace Functions	Quasi-Peak(EMI), Average (EMI), Clear & Write, Max/Min Hold,		
ABSOLUTE AMPLITUDE ACCURACY	View, Blank, Average		
Absolute Point	Center=160 MHz ; RBW 10 kHz; VBW 1 kHz; span 100 kHz; lo	g scale; 1 dB/div; peak detector; 23°C±5°C; Signal at Reference Level	
Preamp Off Preamp On	± 0.5 dB ± 0.6 dB	Ref level 0 dBm; 10 dB RF attenuation Ref level 0 dBm; -30 dB RF attenuation	
FREQUENCY RESPONSE		ne. ierei o dom, so do iti attenuation	
Preamp Off 100 kHz ~ 2.0 GHz	Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C ± 0.5 dB		
2GHz ~ 3.25 GHz Preamp On	± 0.7 dB ± 0.7 dB Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C		
1 MHz ~ 2 GHz 2 GHz ~ 3.25 GHz	± 0.6 dB ± 0.8 dB		
ATTENUATION SWITCHING UNCERT			
Attenuator Setting Uncertainty	0 ~ 50 dB in 1 dB step ± 0.25 dB	Reference : 160 MHz, 10dB attenuation	
RBW FILTER SWITCHING UNCERTAIN			
1 Hz ~ 1 MHz	± 0.25 dB	Reference : 10 kHz RBW	
LEVEL MEASUREMENT UNCERTAINT	± 1.5 dB	20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm;	
Overall Amplitude Accuracy		Reference level 0 ~ -50 dBm; Input attenuation 10 dB; RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off	
C retail Amplitude Acculacy	± 0.5 dB	Typical	
SPURIOUS RESPONSE		Drawn off signal invest 20 Jp. 10 Jp. 11	
Second Harmonic Intercept	+35 dBm	Preamp off; signal input -30dBm; 0 dB attenuation Typical; 10 MHz < fc < 775 MHz	
Third-order Intercept	+60 dBm	Typical; 775 MHz ≤ fc < 1.625 GHz Preamp off; signal input -30dBm; 0 dB attenuation	
Input Related Spurious	> 1dBm < -60 dBc	300 MHz ~ 3.25 GHz Input signal level -30 dBm, Att. Mode, Att=0dB; 20-30°C	
Residual Response (Inherent)	<-90 dBm	Input terminated; 0 dB attenuation; Preamp off	
·			

204 us ~ 1000 s	Span > 0 Hz
50 μs ~ 1000 s	Span = 0 Hz; Min resolution=10μs
Positive or negative edge	
1 MHz ~ 3.25 GHz	
18 dB	Nominal (installed as standard)
N-type female	
50Ω	Nominal
<1.6:1	300 kHz ~ 3.25 GHz ; Input attenuator ≥10 dB
SMP male	
	With short-circuit protection
A plug	
Version 2.0	Support Full/High/Low speed
SD 1 1	
Micro SD, Micro SDHC	Up to 32GB capacity
BNC female	
	Nominal
50 Ω	
BNC female	
-5 dBm ~ +10 dBm	
Within ± 5 ppm of the input reference frequency	
PNC famala	Open-collector
T	Open-conector
BNC female	
Auto selection by function	
RJ-45	
10Base-T; 100Base-Tx; Auto-MDIX	
B plug Version 2.0	For remote control only; supports USB TMC Supports Full/High/Low speed
B plug Version 2.0	For remote control only; supports USB TMC Supports Full/High/Low speed
Version 2.0 SMA female	Supports Full/High/Low speed
Version 2.0 SMA female 50 Ω	Supports Full/High/Low speed Nominal
Version 2.0 SMA female	Supports Full/High/Low speed
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm	Supports Full/High/Low speed Nominal Nominal
Version 2.0 SMA female 50 Ω 886 MHz	Supports Full/High/Low speed Nominal Nominal
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation	Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm	Supports Full/High/Low speed Nominal Nominal
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation	Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female	Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female	Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz	Supports Full/High/Low speed Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-Ion rechargeable, 3S2P	Supports Full/High/Low speed Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz	Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-Ion rechargeable, 3S2P DC 10.8 V	Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-lon rechargeable, 3S2P DC 10.8 V 5200 mAh/56Wh	Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-Ion rechargeable, 3S2P DC 10.8 V 5200 mAh/56Wh 16 MB nominal < 65 W < 30 minutes	Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-Ion rechargeable, 3S2P DC 10.8 V 5200 mAh/56Wh 16 MB nominal < 65 W < 30 minutes +5 °C ~ + 45 °C	Supports Full/High/Low speed Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection With UN38.3 Certification
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-Ion rechargeable, 3S2P DC 10.8 V 5200 mAh/56Wh 16 MB nominal < 65 W < 30 minutes	Supports Full/High/Low speed Nominal Nominal 10 dB attenuation; RF input : 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection With UN38.3 Certification
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-lon rechargeable, 3S2P DC 10.8 V 5200 mAh/56Wh 16 MB nominal < 65 W < 30 minutes +5 °C ~ +45 °C -20 °C ~ + 70 °C 350(W) x 210(H) x 100(D) mm, Approx. 4.5kg 13.8 (W) x 8.3 (H) x 3.9 (D) inch, Approx. 9.9lb	Supports Full/High/Low speed Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection With UN38.3 Certification Operating Storage Inc. all options (Basic + TG + GPIB + Battery)
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-Ion rechargeable, 3S2P DC 10.8 V 5200 mAh/56Wh 16 MB nominal < 65 W < 30 minutes +5 °C ~ +45 °C -20 °C ~ +70 °C 350 (W) × 210 (H) × 100 (D) mm, Approx. 4.5kg 13.8 (W) × 8.3 (H) × 3.9 (D) inch, Approx. 9.9lb The recommended calibration cycle is one year; calibration s	Supports Full/High/Low speed Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection With UN38.3 Certification Operating Storage
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-Ion rechargeable, 3S2P DC 10.8 V 5200 mAh/56Wh 16 MB nominal < 65 W < 30 minutes +5 °C ~ + 45 °C -20 °C ~ + 70 °C 350(W) × 210(H) × 100(D) mm, Approx. 4.5kg 13.8(W) × 8.3(H) × 3.9(D) inch, Approx. 9.9lb The recommended calibration cycle is one year; calibration s	Supports Full/High/Low speed Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection With UN38.3 Certification Operating Storage Inc. all options (Basic + TG + GPIB + Battery)
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-lon rechargeable, 352P DC 10.8 V 5200 mAh/56Wh 16 MB nominal <65 W <30 minutes +5 °C ~ + 45 °C -20 °C ~ + 70 °C 350(W) x 210(H) x 100(D) mm, Approx. 4.5kg 13.8(W) x 8.3(H) x 3.9(D) inch, Approx. 9.9lb The recommended calibration cycle is one year; calibration s NAL) 100 kHz ~ 3.25 GHz	Supports Full/High/Low speed Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection With UN38.3 Certification Operating Storage Inc. all options (Basic + TG + GPIB + Battery)
Version 2.0 SMA female 50 Ω 886 MHz -25 dBm 3.5mm stereo jack, wired for mono operation D-sub 9-pin female IEEE-488 bus connector AC 100 V ~ 240 V, 50/60 Hz 6 cells, Li-Ion rechargeable, 3S2P DC 10.8 V 5200 mAh/56Wh 16 MB nominal < 65 W < 30 minutes +5 °C ~ + 45 °C -20 °C ~ + 70 °C 350(W) × 210(H) × 100(D) mm, Approx. 4.5kg 13.8(W) × 8.3(H) × 3.9(D) inch, Approx. 9.9lb The recommended calibration cycle is one year; calibration s	Supports Full/High/Low speed Nominal Nominal 10 dB attenuation; RF input: 0 dBm @ 1 GHz Tx , Rx , RTS , CTS Auto range selection With UN38.3 Certification Operating Storage Inc. all options (Basic + TG + GPIB + Battery)
	Continuous; Single Free run; Video; External Positive or negative edge 1 MHz ~ 3.25 GHz 18 dB N-type female 50Ω <1.6:1 SMB male DC +7V/500 mA max A plug Version 2.0 SD 1.1 Micro SD, Micro SDHC BNC female 10 MHz 3.3V CMOS 50 Ω BNC female 10 MHz -5 dBm ~ +10 dBm Within ± 5 ppm of the input reference frequency BNC female 1. BNC female 3.3V CMOS Auto selection by function

Note : The specifications apply when the GSP-9330 is powered on for at least 60 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

ORDERING INFORMATION

GSP-9330 3.25 GHz Spectrum Analyzer

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

GLN-5040A Line Impedance Stabilization Network APS-7100E AC Power Source 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)

GSP-93T1 Tracking Generator (Factory installed option)

Option 02 Battery Pack

GSP-93G1 GPIB Interface (Factory installed option)

GSC-009 Soft Carrying Case GRA-415 Rack Adapter Panel

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



Ihr Ansprechpartner / Your Partner:

dataTec AG

E-Mail: info@datatec.eu

>>> www.datatec.eu

