

## Audio/Sound Analyzer SG-5822A



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### Generator & Analyzer

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Level flatness of the combined generator & analyzer

100 Hz ~ 10kHz	<± 0.1 dB
20 Hz ~ 20 kHz	<± 0.2 dB
<b>20 Hz ~ 80 kHz</b>	<± 0.2 dB

#### Sweep Generator

Number of channels	2 channels with individual levels
Sampling rate (fs) / Level resolution	<b>192 kHz / 32bit DAC</b>
Frequency range	20 Hz ~ 80 kHz
Level range (balanced)	10mVRMS to 28VRMS

Level setting resolution	0.1 dB
Amplitude shape dynamic range	94 dB
Level accuracy @ 1 kHz	<± 0.1 dB
Level flatness	
100 Hz ~ 10 kHz	<± 0.1 dB
20 Hz ~ 20 kHz	<± 0.2 dB
<b>20 Hz ~ 80 kHz</b>	<± 0.2 dB
Frequency resolution	Log : 1/1,1/3,1/6,1/12,1/24,1/48 Octave steps
	Lin : 1 to 2000 steps
Frequency accuracy	<± 50 ppm

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Sweep Analyzer	
Number of channels	2 independent channels with individual input range
Sampling rate (fs) / Level resolution	<b>192 kHz / 32 bit</b>
Bandwidth	20 Hz ~ 80 kHz
Level range	-34 to + 60 dBVp
Level accuracy @ 1 kHz	<± 0.1 dB
Level flatness	
100 Hz ~ 10 kHz	<± 0.1 dB
20 Hz ~ 20 kHz	<± 0.2 dB
<b>20 Hz ~ 80 kHz</b>	<± 0.2 dB
Residual distortion @ level +25 to -20 dBVp (THD+N)	<-86 dB
Residual noise	<-120 dB
Phase accuracy (interchannel)	± 1 deg @ 200 Hz ~ 4 kHz
Internal frequency accuracy	± 50 ppm
Selectable input impedance per channel	1 MΩ
Input impedance accuracy	
Input impedance coupling	1% of resistor value
Phantom power voltage	AC Coupled
Phantom voltage accuracy	15 VDC
Phantom power inward resistance	± 0.5 VDC
15V	
	2.2 KΩ
Measurements	
	[1] SPL (Sound Pressure Level) Frequency Response
	[2] Total Harmonic Distortion / 2nd & 3rd Harmonic Distortion
	[3] Extraneous Noise (Rub&Buzz) Frequency Response
	[4] Impedance Frequency Response
	[5] Polarity (Phase Frequency Response)
	[6] Impedance
	[7] Fo, Ze (Resonance Frequency)
	[8] L/R Comparison measurement
Option & Accessories	
Phanton power voltage	Connector type BNC 24 VDC, 48 VDC
Polarization Voltage	Connector type 7 pin Lemo 200 VDC

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SP-72	Lemo ICP Adaptor
SG-5001B	Remote Control 15P D-Type connector I/O signal - Start, Pass, Fail, Fail [Class1, Class2, Class3, Class4] SPL Analyzer ON. Rub & Buzz Analyzer ON . Remote control I/O ※ Terminal Box [Option 01A]
General	
Standard software	Audio Analyzer Production software (PC based Windows® XP, Vista, win7 ) Pentium®4, 1.5GHz processor minimum or equivalent. (Celeron processors are not recommended)
Interface Bus	Personal computer connected to the instrument through the Audio Analyzer Interface Bus. (USB2.0)
Main power requirements	AC 220-230V~ 50/60Hz 40VA
Fuse	5 x 20 T LBC 630mA/250V Standard : EN10480
Operating temperature	+ 5 to +45°C ( +40 to +110 F ), R.H.<90% non condensing
Dimensions	485(W) * 95(H) * 256(D) mm (without Dimensions of Power Amp)
Weight	3.4 kg (without Weight of Power Amp)

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