SPECIFIC APPLICATION SIGNAL SOURCES

Specific Application Signal Source Overview

The GSG-Series are standard AM/FM signal generators providing CW, AM, and FM signals from 100kHz to 110MHz with calibrated output levels from -19dB to 99dB in 1dB steps. The intuitive user interface of the GSG-Series enables multiple combinations of frequency, output level, and modulation.

Output settings can be stored and recalled easily; 10 by 10 points

of memory allow up to 100 continuous points of memory and with 4 independent output levels. Remote control is supported with the optional GRC-1201 unit. The remote control unit also supports remote memory recall as well. The extensive features of the GSG-Series cover most of the applications in receiver manufacturing and maintenance industries.

SIGNAL GENERATOR

MODEL	Description (Main Function)	Reference Page
GSG-120/122	110MHz FM/AM Signal Generator	C18
GRG-450B	150MHz RF Generator	C19
GAG-809/810	Audio Generator	C20

110MHz FM/AM SIGNAL GENERATOR



GSG-120 (110MHz, MONO)

The GSG-Series are FM/AM standard signal generators providing CW, AM, and FM signals from 100kHz to 110MHz with the calibrated output levels from -19dB to 99dB in 1dB step. The intuitive user interface of the GSG-Series enables free combinations of frequency, output level, and modulation. Output settings can be stored and recalled easily; 10 points in one block up to 100 continuous points, with 4 independent output levels. Remote controlling is available with the optional GRC-1201 unit which enhances the memory recall function from a distance. All these superior features of GSG-Series cover most of the applications in receiver manufacturing and maintenance industries.



GSG-122 (110MHz, STEREO)



GRC-1201 (Remote Controler)

FEATURES

- * Freq. Range 100kHz ~ 110MHz
- * Output Level -19 ~ + 99 dBu * All Operations are Controlled by
- Microprocessor * Memory Stored from 10 Points in one Block
- Can be up to 100 Continuous Points in Blocks and 4 Output Levels
- * Memory Data Copied
- * Back Space key
- * Remote Controlled
- * FM Stereo Modulation (GSG-122 only)









GSG-120



SPECIFICATIONS		
FREQUENCY		
Range	100kHz ~ 110MHz	
Display	6 digits 0.5" LED display	
Resolution	100Hz (0.1 ~ 34.999MHz), 1kHz (35 ~ 110MHz)	
Accuracy	$\pm 5 \times 10^{-5} \pm 1$ count	
OUTPUT		
Range	-19dBu ~ +99dBu, 1dBu steps (0dB: 1μV for open end)	
Display	2 digit LED display	
Resolution	1dB	
Attenuator Accuracy	20 ~ 99dBu <u>+</u> 1.5dB	
	19dBu ~ -10dBu <u>+</u> 2dB, -11dBu ~ -19dBu <u>+</u> 3dB	
Spurious	-30dB or less	
Impedance	50 Ω (VSWR<1.2)	
Frequency Response	±1.5dB	
RESIDUAL MODULATION (S/N)		
Post-Detection BW	50Hz ~ 20kHz	
FM Component	< 200Hz	
AM Component	> 50dB	
MODULATION		
Internal Modulation	400Hz, 1kHz, 3kHz (<u>+</u> 3%) (GSG-120)	
	400Hz, 1kHz (<u>+</u> 3%) (GSG-122)	
EXT Input Impedance	Approx. 10k	
FREQUENCY MODULATION		
Frequency Deviation	0 ~ 100kHz	
Display	3 digit LED Display	
Meter Accuracy	±10%	
Distortion (at 75kHz Deviation)	<0.1%, <0.05% (10.7, 65 ~ 110MHz)	
EXT MOD. Freq. Response	20Hz ~ 100kHz ±1dB (REF 1kHz)(GSG-120)	
	50Hz ~ 15kHz <u>+</u> 1dB (REF 1kHz)(GSG-122)	
Separation	>55dB (GSG-122 only)	
Pilot Frequency	19kHz±2Hz (GSG-122 only)	
AMPLITUDE MODULATION		
MOD. Depth	0~60%	
Display	3 digit LED display	
Accuracy	±5%	
Distortion (30% AM)	< 0.5% (0.1 ~ 30MHz), <1.5% (30 ~ 110MHz)	
EXT. Bandwidth Input Level	20Hz~10kHz±1.5dB (REF 1kHz)	
Preset Function	$3Vpp\pm 2\%$	
Preset Function POWER SOURCE	100 sets, Four presetting output levels can be stored	
AC100V/120V ±10%, 60Hz; 220V/240V±10%, 50/60Hz		
DIMENSIONS & WEIGHT		

430(W) x 110(H) x 250(D) mm, Approx. 6.5kg

ORDERING INFORMATION

SIGNAL SOURCES



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