

FM/AM Signal Generator



GSG-120 (MONO)

GSG-122 (STEREO)

GRC-1201

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)

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: 1 μ V for open end)
Display	2 digits LED display
Resolution	1dB
Attenuator Accuracy	20 ~ 99dBu ± 1.5 dB 19dBu ~ -10dBu ± 2 dB, -11dBu ~ -19dBu ± 3 dB
Spurious	-30dB or less
Impedance	50 Ω (VSWR<1.2)
Frequency Response	± 1.5 dB

RESIDUAL MODULATION (S/N)	
Post-Detection BW	50Hz ~ 20kHz
FM Component	<200Hz
AM Component	>50dB

MODULATION	
Internal Modulation	400Hz, 1kHz, 3kHz, $\pm 3\%$ (GSG-120) 400Hz, 1kHz, $\pm 3\%$ (GSG-122)
EXT Input Impedance	Approx. 10k Ω

FREQUENCY MOD.	
Frequency Deviation	0 ~ 100kHz
Display	3 digits LED Display
Meter Accuracy	$\pm 10\%$
Distortion (at 75kHz Deviation)	<0.1%, <0.05% (10.7, 65 ~ 110MHz)
EXT MOD. Freq.	20Hz ~ 100kHz ± 1 dB (REF 1kHz)(GSG-120)
Response	50Hz ~ 15kHz ± 1 dB (REF 1kHz)(GSG-122)
Separation	>55dB (GSG-122 only)
Pilot Frequency	19kHz ± 2 Hz (GSG-122 only)

AMPLITUDE MOD.	
MOD. Depth	0 ~ 60%
Display	3 digits LED display
Accuracy	$\pm 5\%$
Distortion (30% AM)	<0.5% (0.1 ~ 30MHz), <1.5% (30 ~ 110MHz)
EXT. Bandwidth	20Hz ~ 10kHz ± 1.5 dB (REF 1kHz)
Input Level	3Vp-p $\pm 2\%$
Preset Function	100 sets Four presetting output levels can be stored

POWER SOURCE	
AC100V/120V 60Hz, 220V/240V $\pm 10\%$, 50/60Hz	

ACCESSORIES	
Instruction manual x 1, Power cord x 1, GTL-110 x 1,	

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

ORDERING INFORMATION

GSG-120	MONO FM/AM Signal Generator
GSG-122	STEREO FM/AM Signal Generator
GRC-1201	Remote Control for GSG-120 or GSG-122