

GSG-122/120



Features

- Freq Range 100kHz ~ 110MHz
- Output Level -19 ~+99 dBu
- All Operations are Controlled by Microprocessor
- Memory Storage: 10 points in one block (up to 100 continuous points) and 4 output levels
- Memory Data Copy
- Back Space key
- Remote Control
- FM Stereo Modulation (GSG-122 only)

Description

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.

Specification

FREQUENCY

Range	100kHz ~ 110MHz
Display	6-digit 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-digit LED display
Resolution	1dB
Attenuator Accuracy	20 ~ 99dBu \pm 1.5dB 19dBu ~ -10dBu \pm 2dB, -11dBu ~ -19dBu \pm 3dB
Spurious	-30dB or less
Impedance	50 Ω (VSWR<1.2)
Frequency Response	\pm 1.5dB

RESIDUAL MODULATION (S/N)

Post-Detection BW	50Hz ~ 20kHz
FM Component	<200Hz
AM Component	>50dB

MODULATION

Internal Modulation	400Hz, 1kHz, \pm 3%
EXT Input Impedance	Approx. 10k Ω

FREQUENCY MOD.

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

AMPLITUDE MOD.

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

POWER SOURCE

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

DIMENSIONS & WEIGHT

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