

Function Generator



FEATURES

- * Frequency Range: 0.1Hz ~ 10MHz
- * Waveforms: Sine, Triangle, Square, Ramp, TTL and CMOS Output
- * External Voltage Controlled Frequency (VCF) Function
- * Duty Cycle Control with Signal Inversion Capability
- * Variable DC Offset Control
- * Two-Step (-20dBx2) and Variable Attenuator
- * Built-In 6 Digit Counter with INT/EXT Function Up to 150MHz / High Resolution
- * LIN/LOG Sweep Mode

GFG-8210 (10MHz)

SPECIFICATIONS	
MAIN	
Frequency Range	0.1Hz ~ 10MHz (8 Range)
Amplitude	≥ 10Vpp (into 50Ω load)
Impedance	50Ω ± 10%
Attenuator	-20dB ± 1dBx2
DC Offset	<-5V ~ >5V (into 50Ω load)
Duty Control	15% : 85% : 15% ~ 1MHz Continue variable (square wave only)
Display	6 digit LED display
SINE WAVE	
Distortion	1% typical
Flatness	±0.45dB (± 5%)
TRIANGLE WAVE	
Linear	≥ 98% to 100kHz
SQUARE WAVE	
Symmetry	± 2%, 1Hz ~ 100kHz
Rise or Fall Time	≤ 35nS
CMOS OUTPUT	
Max. Frequency	2MHz
Level	≤ 4Vpp ~ 14.5Vpp ± 0.5Vpp adjustable
Rise or Fall Time	≤ 120nS
TTL OUTPUT	
Level	≥ 3Vpp
Rise or Fall Time	≤ 20nS
VCF	
Input Voltage	0V ~ 10V (100 : 1)
Input Impedance	10kΩ ± 10%
SWEEP OPERATION	
Sweep/Manual	Switch selector
Sweep/Rate	>100 : 1 ratio max. and adjustable
Sweep/Time	0.5sec. ~ 30sec. adjustable
Sweep/Mode	Lin./Log. switch selector
Sweep/Out	0V ~ 10 ± 1V
FREQUENCY COUNTER	
INT./EXT.	Switch selector
Range	0.1Hz ~ 10MHz (5Hz ~ 150MHz EXT.)
Accuracy	Time base accuracy ± 1 count
Time Base	± 20ppm(23° C ± 5° C) after 30 minutes warm up
Resolution	The maximum resolution is 100nHz for 1Hz and 1Hz for 100MHz
Input Impedance	1MΩ // 150pF

POWER SOURCE
AC115V/230V ± 15%, 50 / 60Hz
ACCESSORIES
Instruction manual x 1, Power cord x 1, GTL-101 x 2
DIMENSIONS & WEIGHT
251(W) x 91(H) x 291(D)mm, Approx. 2.2 kg

ORDERING INFORMATION
GFG-8210 10MHz Function Generator