

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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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	10kW ± 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	1MW // 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

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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