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

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Instek GFG-8215A* at our website: *Click HERE*

Function Generator



GFG-8216A (3MHz)



GFG-8215A (3MHz)

FEATURES

* Frequency Range: 0.3Hz ~ 3MHz
* 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(GFG-8216A)

SPECIFICATIONS

MAIN	
Frequency Range	0.3Hz ~ 3MHz (7 Range)
Amplitude	> 10Vpp (into 50Ω load)
Impedance	50Ω ±10%
Attenuator	-20dB ± 1dBx2
DC Offset	<-5V ~ >5V (into 50Ω load)
Duty Control	80% : 20% : 80% to 1MHz Continue variable
Display	6 digit LED display *GFG-8215A does not have display.
Range Accuracy	± 5%+1Hz (at 3 position) for GFG-8215A
SINE WAVE	
Distortion	≤ 1%, 0.3Hz ~ 200kHz
Flatness	< 0.3dB, 0.3Hz ~ 300kHz < 0.5dB, 300kHz ~ 3MHz
TRIANGLE WAVE	
Linear	≥ 98%, 0.3Hz ~ 100kHz ≥ 95%, 100kHz ~ 3MHz
SQUARE WAVE	
Symmetry	± 2%, 0.3Hz ~ 100kHz
Rise or Fall Time	≤ 100nS at maximum output (into 50Ω load)
CMOS OUTPUT	
Level	4Vpp ± 1Vpp ~ 14.5Vpp ± 0.5Vpp adjustable
Rise or Fall Time	≤ 120nS
TTL OUTPUT	
Level	≥ 3Vpp
Fan Out	20 TTL load
Rise or Fall Time	≤ 25nS
VCF	
Input Voltage	0V ~ 10V ±1V (100 : 1)
Input Impedance	10kΩ ±10%
FREQUENCY COUNTER(For GFG-8216A Only)	
INT./EXT.	Switch selector
Range	0.3Hz ~ 3MHz (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
Sensitivity	≤ 35mVrms (5Hz ~ 100MHz) ≤ 45mVrms (100MHz ~ 150MHz)

POWER SOURCE
AC115V/230V ± 15%, 50/60Hz

ACCESSORIES
Instruction manual x 1, Power cord x 1, GTL-101 x 2;
GTL-101x1 for GFG-8215A

DIMENSIONS & WEIGHT
251(W) x 91(H) x 291(D)mm, Approx. 2.1kg

ORDERING INFORMATION

GFG-8216A	3MHz Function Generator with 6Digit LED Display
GFG-8215A	3MHz 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.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

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

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

ARTISAN® TECHNOLOGY GROUP