



**GFG-8020H (2MHz)**



## FEATURES

- \* Frequency Range: 0.2Hz ~ 2MHz
- \* Coarse and Fine Tuning
- \* Waveforms: Sine, Triangle, Square, TTL Pulse
- \* CMOS Output
- \* Built-in 4 Digit Counter(INT only)
- \* Large 0.5" LED Display
- \* Variable DC Offset Control
- \* Output Overload Protection
- \* VCF Input Function

GFG-8020H Function Generator delivers the most economic solution available for signal generating demand within 2MHz frequency range with display. GFG-8020H offers extra values with CMOS output, built-in 4-digit counter, Coarse and Fine Tuning, and 1000:1 Tuning Range, and LED display. Together with the standard functions such as Variable DC Offset Control, Output Overload Protection, and VCF input function, GFG-8020H is the best economic choice for educational usage as well as for production lines at the most competitive price.

SPECIFICATIONS	
<b>MAIN OUTPUT</b>	
Waveforms	SINE, TRIANGLE, SQUARE, TTL pulse and CMOS output
Amplitude	>20Vp-p (open circuit) ; >10Vp-p (into 50 load)
Impedance	50 $\pm$ 10%
Attenuator	-20dB $\pm$ 1.0dB (at 1kHz)
DC Offset	<-10V to > +10V (<-5V to > +5V into 50 load)
Duty Control	1:1 to 10:1 continuously rating
Display	4 digits LED display
Frequency Range	0.2Hz to 2MHz 7 ranges
Frequency control	Separate coarse and fine tuning
<b>SINE WAVE</b>	
Distortion	<1% 0.2Hz ~ 20kHz, <2% 20kHz ~ 200kHz
Frequency Response	<0.2dB 0.2Hz ~ 100kHz, <1dB 100kHz ~ 2MHz
<b>TRIANGLE WAVE</b>	
Linear	98% 0.2Hz ~ 100kHz, 95% 100kHz ~ 2MHz
<b>SQUARE WAVE</b>	
Symmetry	<2%, 0.2Hz ~ 100kHz
Rise/Fall Time	<120nS
<b>CMOS OUTPUT</b>	
Level	(4Vp-p $\pm$ 1Vp-p) ~ (14.5Vp-p $\pm$ 0.5Vp-p) adjustable
Rise/Fall Time	<120nS
<b>TTL OUTPUT</b>	
Level	>3Vp-p
Rise/Fall Time	<30nS
<b>VCF (Voltage Controlled Frequency)</b>	
Input Voltage	Approx. 0V ~ 10V ( $\pm$ 1V) input for 10:1 frequency ratio
Input Impedance	10k $\pm$ 10%
<b>FREQUENCY COUNTER</b>	
Mode	Internal only
Range	0.2Hz ~ 2MHz
Accuracy	Time base accuracy $\pm$ 1Count
Time Base	Oscillation frequency 3.58MHz, Temp. stability $\pm$ 20PPM (23°C $\pm$ 5°C)
Resolution	0.1Hz, 1Hz, 10Hz, 100Hz, 1kHz
<b>POWER SOURCE</b>	
AC100V/120V/220V/230V $\pm$ 10%, 50/60Hz	
<b>DIMENSIONS &amp; WEIGHT</b>	
230(W) x 95(H) x 280(D) mm, Approx. 2.1kg	

## ORDERING INFORMATION

**GFG-8020H** 2MHz Function Generator with 4 Digits LED Display, TTL/CMOS Output

ACCESSORIES :

User manual x 1, Power cord x 1, GTL-101 x 1