

2MHz FUNCTION GENERATOR



GFG-8020H (2MHz)



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

FEATURES

- * Frequency Range: 0.2Hz ~ 2MHz
- * Coarse and Fine Tuning
- * Waveform : 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

SPECIFICATIONS	
MAIN OUTPUT	
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 adjustable
Display	4 digits LED display
Frequency Range	0.2Hz to 2MHz 7 ranges
Frequency control	Separate coarse and fine tuning
SINE WAVE	
Distortion	<1% (0.2Hz ~ 20kHz), <2% (20kHz ~ 200kHz)
Frequency Response	<0.2dB (0.2Hz ~ 100kHz), <1dB (100kHz ~ 2MHz)
TRIANGLE WAVE	
Linear	98% 0.2Hz ~ 100kHz, 95% 100kHz ~ 2MHz
SQUARE WAVE	
Symmetry	<2%, 0.2Hz ~ 100kHz
Rise/Fall Time	<120nS
CMOS OUTPUT	
Level	(4Vp-p $\pm$ 1Vp-p) ~ (14.5Vp-p $\pm$ 0.5Vp-p) adjustable
Rise/Fall Time	<120nS
TTL OUTPUT	
Level	>3Vp-p
Rise/Fall Time	<30nS
VCF (Voltage Controlled Frequency)	
Input Voltage	Approx. 0V ~ 10V ($\pm$ 1V) input for 10:1 frequency ratio
Input Impedance	10k $\pm$ 10%
FREQUENCY COUNTER	
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
POWER SOURCE	
AC100V/120V/220V/230V $\pm$ 10%, 50/60Hz	
DIMENSIONS & WEIGHT	
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, Test lead GTL-101 x 1



GFG-8015G (2MHz)



The GFG-8015G Function Generator delivers the most economic solution available for signal generating demands within 2MHz frequency range. The GHG-8015G offers extra values of TTL output and 1000:1 Tuning Range. Together with the standard functions such as Variable DC Offset Control, Output Overload Protection, and VCF input, The GFG-8015G is the most affordable choice for Educational usage and production lines at the most competitive price.

FEATURES

- * Frequency Range : 0.2Hz ~ 2MHz
- * Waveforms : Sine, Triangle, Square, TTL Pulse
- * Variable DC Offset Control
- * Output Overload Protection
- * VCF Input Function
- * 1000 : 1 Tuning Range

SPECIFICATIONS	
MAIN OUTPUT	
Waveforms	SINE, TRIANGLE, RAMP, SQUARE and TTL pulse Output
Amplitude	>20Vp-p (open circuit). > 10Vp-p (into 50 Ω load)
Impedance	50 $\pm 10\%$
Attenuator	-20dB, -20dB ± 1.0 dB (at 1kHz)
DC Offset	<-10V ~ > +10V (<-5V ~ > +5V into 50 Ω load)
Duty Control	1:1 ~ 10:1 continuously rating
Frequency Range	0.2Hz ~ 2MHz 7 ranges
Range Accuracy	$\pm 5\%$ + 1Hz (0.2, 2.0 position)
SINE WAVE	
Distortion	<1% 0.2Hz ~ 200kHz
Frequency Response	<0.1dB 0.2Hz ~ 100kHz <0.5dB 100kHz ~ 2MHz
TRIANGLE WAVE	
Linear	98% (0.2Hz ~ 100kHz), 95% (100kHz ~ 2MHz)
SQUARE WAVE	
Symmetry	<2%, 0.2Hz ~ 100kHz
Rise/Fall Time	<100nS
TTL OUTPUT	
Level	>3Vp-p
Rise/Fall Time	<25nS
VCF (Voltage Controlled Frequency)	
Input Voltage	Approx. 0 ~ 10V ± 1 V input for 1000 : 1 ; frequency ratio
Impedance	10k ($\pm 10\%$)
POWER SOURCE	
AC100V/120V/220V/230V $\pm 10\%$, 50/60Hz	
DIMENSIONS & WEIGHT	
230(W) x 95(H) x 280(D) mm, Approx. 2.0kg	

ORDERING INFORMATION

GFG-8015G 2MHz Function Generator

ACCESSORIES :

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