

2MHz Function Generator



GFG-8020H (2MHz)



The GFG-8000 Series function generators deliver the most economic solution available for generating signals in the range of 0.2Hz ~ 2MHz. This series consists of the GFG-8020H and GFG-8015G.

GFG-8020H includes a CMOS output, a built-in 4-digit counter, a coarse/ fine tuning knob and an LED display.

Together with standard functions such as variable DC offset control, output load protection and VCF input, the GFG-8020H is the most economical choice for both education and industry.

FEATURES

- * Frequency Range: 0.2Hz ~ 2MHz
- * Coarse and Fine Tuning
- * Waveform : Sine, Triangle, Square, TTL Pulse
- * CMOS Output
- * Built-in 4 Digits 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 50Ω load)
Impedance	50Ω±10%
Attenuator	-20dB ± 1.0dB (at 1kHz)
DC Offset	<-10V to > +10V (<-5V to > +5V into 50Ω 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±1Vp-p) ~ (14.5Vp-p±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 (±1V) input for 10:1 frequency ratio
Input Impedance	10kΩ ±10%
FREQUENCY COUNTER	
Mode	Internal only
Range	0.2Hz ~ 2MHz
Accuracy	Time base accuracy ±1Count
Time Base	Oscillation frequency 3.58MHz, Temp. stability ±20PPM (23°C±5°C)
Resolution	0.1Hz, 1Hz, 10Hz, 100Hz, 1kHz
POWER SOURCE	
	AC100V/120V/220V/230V±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