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Find the *Instek GFG-8020H* at our website: *Click HERE*

Function Generator



GFG-8020H (2MHz)



GFG-8015G (2MHz)

FEATURES

* Frequency Range: 0.2Hz ~ 2MHz
* Coarse and Fine Tuning (GFG-8020H)
* Waveforms: Sine, Triangle, Square, TTL Pulse
* CMOS Output (GFG-8020H)
* Built-in 4 Digit Counter (INT only) (GFG-8020H)
* Large 0.5" LED Display (GFG-8020H)
* Variable DC Offset Control
* Output Overload Protection
* VCF Input Function
* 1000:1 Tuning Range (GFG-8015G)

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 rating
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
V.C.F.	
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±1 Count
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
ACCESSORIES	Power cord x 1, Instruction manual x 1, GTL-101 x 1
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, CMOS OUT

SPECIFICATIONS

MAIN OUTPUT	
Waveforms	SINE, TRIANGLE, RAMP, SQUARE and TTL pulse Output
Amplitude	>20Vp-p (open circuit). > 10Vp-p (into 50Ω load)
Impedance	50Ω ±10%
Attenuator	-20dB, -20dB±1.0dB (at 1kHz)
DC Offset	<-10V to> +10V (<-5V to >+5V into 50Ω load)
Duty Control	1:1 to 10:1 continuously rating
Frequency Range	0.2Hz to 2MHz 7 ranges
Range Accuracy	±5% + 1Hz (0.2, 2.0 position)
SINE WAVE	
Distortion	<1% 0.2Hz to 200kHz
Frequency Response	<0.1dB 0.2Hz to 100kHz <0.5dB 100kHz to 2MHz
TRIANGLE WAVE	
Linear	98% 0.2Hz to 100kHz, 95% 100kHz to 2MHz
SQUARE WAVE	
Symmetry	<2% 0.2Hz to 100kHz
Rise/Fall Time	<100nS
TTL OUTPUT	
Level	>3Vp-p
Rise/Fall Time	<25nS
V.C.F.	
Input Voltage	Approx. 0V to 10V (±1V) input for 1000:1 frequency ratio
Impedance	10k Ω(±10%)
POWER SOURCE	AC100V/120V/220V/230V±10% , 50/60Hz
ACCESSORIES	Power cord x 1, Instruction manual x 1, GTL-101 x 1
DIMENSIONS & WEIGHT	230(W) x 95(H) x 280(D) mm, Approx. 2.0kg

ORDERING INFORMATION

GFG-8015G	2MHz Function Generator

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

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