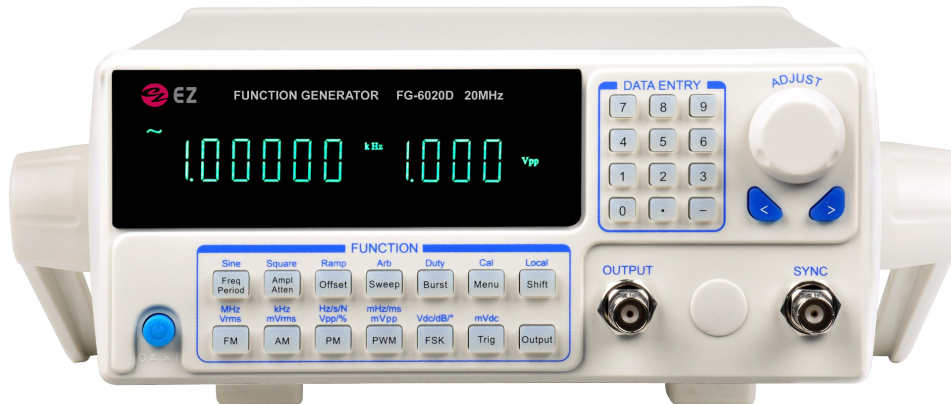


FG-6003D / FG-6010D / FG-6020D



General Features

- Frequency
 FG-6003D : 3MHz
 FG-6010D : 10MHz
 FG-6020D : 20MHz
- Max. 100MSa/s sampling rate
- Amplitude Resolution: 8bits
- AM, FM, PM, PWM, FSK modulation
- 10uHZ frequency resolution for whole range
- Frequency Sweep and burst function
- 16 types versatile waveforms such as sine, square, ramp, noise...etc

Convenient Features

- USB Interface & remote control
- Keypad operation and sequency adjusting
- Light indication function



SPECIFICATION

SPECIFICATION		MODEL	FG-6003D	FG-6010D	FG-6020D
Frequency	Range(Sine)		10μHz~3MHz	10μHz ~ 10MHz	10μHz ~ 20MHz
	Range(Square)		3MHz	5MHz	
	Others		1MHz		
	Resolution		10μHz		
	Accuracy		±50ppm		
Waveform	Type		16 waveforms (Sine, Square, Ramp, Pos-pulse, Neg-pulse, Stair, Noise, Half sine, Limit sine, Exponent, Logarithm, Tangent, Sin(x)/x, Half round, Cardiac, Quake)		
	Length		1,024 points		
	Sampling		100MSa/s		
	Vertical Resolution		8 bits		
	Harmonic Distortion (Sine)		≤-40dBc (≤5MHz), ≤-35dBc(>5MHz)		
	Total Distortion		≤0.5% (20Hz ~ 20KHz, 20Vpp)		
	Rise/Fall Time (Square)		≤35ns, Overshoot: ≤10%		
	Duty Cycle (Square)		0.1% ~ 99.9%		
Amplitude	Symmetry (Ramp)		0.0% ~ 100.0%		
	Frequency≤8MHz		0 ~ 10Vpp(50Ω), 0 ~ 20Vpp(Open circuit)		
	Frequency>8MHz		0 ~ 9Vpp(50Ω), 0 ~ 18Vpp(Open circuit)		
DC Offset (Ampl. 0Vpp)	Resolution		5mVpp (Amplitude>2Vpp) 0.5mVpp (Amplitude≤2Vpp)		
	Range		±5Vdc (50Ω), ±10Vdc (Open circuit)		
Frequency Sweep	Resolution		5mVdc		
	Range		Start/Stop frequency can be set arbitrarily		
	Time		50ms ~ 500s		
Modulation	Mode		Linearity or logarithm		
	AM, FM (Carrier waveform)		16 waveforms including sine, square, ramp...etc (only Pulse for PWM)		
	PM, PWM (Modulating Waveforms)		16 waveforms including sine, square, ramp...etc		
	PM, PWM Modulating Frequency		40mHz ~ 20KHz		
	FSK (Carrier Waveform)		16 waveforms including sine, square, ramp...etc		
	FSK (Modulating Waveforms)		Square		
	FSK (Hop Rate)		40mHz ~ 100KHz		
Burst	Burst Waveform		16 waveforms including sine, square, ramp...etc		
	Burst Count		1 ~ 1,000,000		
	Internal Count		1μs ~ 20s		
	Start/Stop Phase		0°~ 360°		
SYNC Output	Waveform Characteristic		Square, Edge time≤20ns		
	Output		TTL compatible, low level<0.3V, High level>4V		
General Characteristics	Power		AC 100 ~ 240V, 45 ~ 65Hz, <20W		
	Display		VFD display		
	Dimension & Weight		256×101×318mm, Approx. 1.5Kg		
	Accessory		BNC Cable *1, Manual *1, Power cable *1, Software CD *1, USB cable *1		