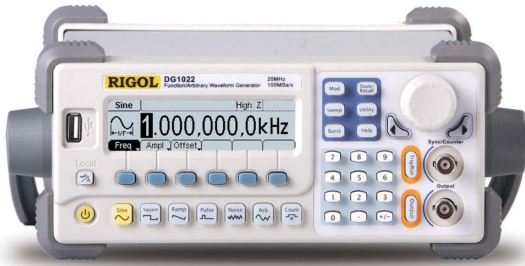


DG1000 Series Function/Arbitrary Waveform Generators



► Features and Benefits

- Advanced Direct Digital Synthesis (DDS) Technology, 2 analog channels output, 20 MHz maximum output frequency
- 100 MSa/s maximum sample rate, 14 bits vertical resolution, 4 kpts Waveform Length
- Built-in high precise counter, the frequency is up to 200 MHz
- Connectivity: USB Device and USB Host
- Connect to RIGOL DS1000 series digital oscilloscopes directly

► Specifications

Model	DG1022	
Standard Waveform	Sine, Square, Ramp, Pulse, White Noise and 48 kinds of built-in arbitrary function waveforms	
Frequency characteristics		
Sine	1 μ Hz ~ 20 MHz	
Square	1 μ Hz ~ 5 MHz	
Pulse	500 μ Hz ~ 3 MHz	
Ramp	1 μ Hz ~ 150 kHz	
White Noise	5 MHz bandwidth (-3dB)	
Arbitrary Waveform	1 μ Hz ~ 5 MHz	
Channel	CH1	CH2
Arbitrary Waveform Characteristics		
Waveform Length	2 pts ~ 4 kpts	2 pts ~ 1 kpts
Amplitude Resolution	14 bits	10bits
Sample Rate	100 MSa/s	
Amplitude Characteristics		
Amplitude	2 mVpp ~ 10 Vpp (into 50 Ω) 4 mVpp ~ 20 Vpp (into open circuit)	2 mVpp ~ 3 Vpp (into 50 Ω) 4 mVpp ~ 6 Vpp (into open circuit)
Modulation characteristics (CH1)		
Modulation Mode	AM, FM, PM, FSK-internal or external	
Frequency of Modulation Waveform	2 mHz ~ 20 kHz (FSK 2mHz to 50kHz)	
Counter		
Range	100 mHz~200 MHz	
Output Mode		
Burst (CH1)	Count (1 to 50,000 periods) Infinite, Gate	
Sweep (CH1)	Linear or Logarithmic	
Other Parameters		
Connectivity	USB Host, USB Device	
Power Supply	AC: 100 V - 240 V, 45 Hz - 440 Hz, 40 VA Max	

► Optional Accessories



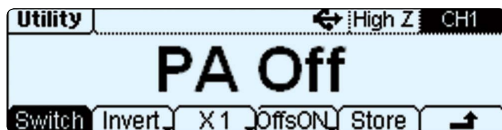
BNC Cable



50 Ω Impedance Adaptor



40 dB Attenuator



10W Power Amplifier PA1011

PA1011 Power Amplifier: 10W maximum power output, 1 MHz full power bandwidth, 50k Ω high input impedance. Adjustable amplifier gain ($\times 1$ or $\times 10$), adjustable output polarity (normal or revert), adjustable output offset (-12V ~ +12 V). It has Seamless connectivity with DG1000 through USB. Easy to operate, integrates output protection circuit (Output over-current protection, temperature over-heats protection) ensure a stable reliable, safe work condition.