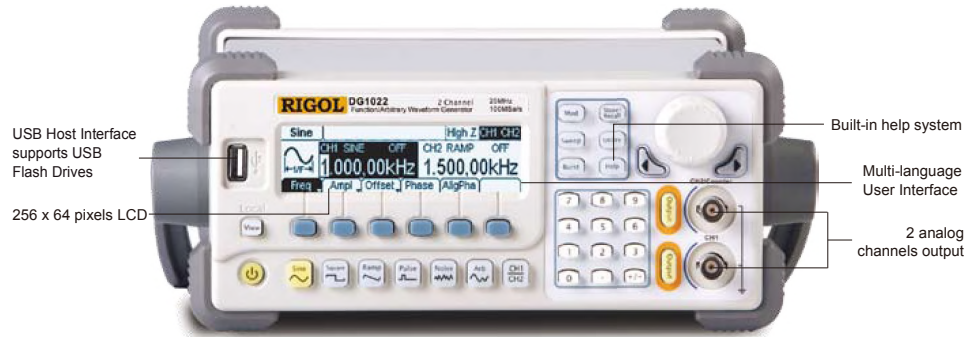


DG1000 Series Function/Arbitrary Waveform Generators

20 MHz maximum output frequency
 100 MSA/s maximum sample rate
 200 MHz frequency counter



Product Dimensions: Width×Height×Depth=232mm×108mm×288mm weight: 2.7 kg

Application Areas

- Simulation of Analog Sensor and Real World Signals
- In-circuit Functional Test
- Education and Training
- Service and Repair

Features and Benefits

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

Model	DG1022	DG1012
Maximum Output Frequency	20 MHz	15 MHz
Connectivity	USB Host, USB Device	

Specifications

Model	DG1022	DG1012
Standard Waveforms	Sine, Square, Ramp, Pulse, White Noise and 48 kinds of built-in arbitrary function waveforms	
Frequency characteristics		
Sine	1 μHz ~ 20 MHz	1μHz ~ 15MHz
Square	1 μHz ~ 5 MHz	1μHz ~ 4MHz
Pulse	500 μHz ~ 3 MHz	500μHz ~ 2MHz
Ramp	1 μHz ~ 150 kHz	
White Noise	5 MHz bandwidth (-3dB)	
Arbitrary Waveform	1 μHz ~ 5 MHz	1μHz ~ 4MHz

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: 100V-240V, 45Hz-440Hz, 40VA Max	

Intuitive User Interface

Burst

The DG1000 can output a waveform with a specified number of cycles, called a "burst". A burst can last for a specific number of wav

Built-in Help System
Easy access to Built-in help system by pressing and holding the key for 3 seconds

Local	State	888	hmm
UDisk	Data	dg3_SystemUpdateldr	
All		DG1000_Systemldr	
Disk	Type	Recall	Store Remove

File System
Easy to Use file system supports USB Flash Memory and local file storage

Optional Accessories



BNC Cable



50 Ω Impedance Adjuster



40 dB Attenuator