

SDG1000 Series Function/Arbitrary Waveform Generator



Application

- IC test
- Analog sensor
- Simulate environment signals
- Electrical circuit function test
- Education and training

Features and Benefits

- Apply DDS technology, double channels output, phase adjustable
- Output frequency up to 50MHz, 125MSa/s sampling rate, 14bit vertical resolution, 16Kpts wave length
- 5 types of standard waveforms, built-in 48 types of function waveforms
- Abundant modulation functions, sweep-frequency output, burst output
- Built-in high precision frequency counter, frequency up to 200MHz
- Standard interfaces: USB Device, USB Host
- USB-GPIB adapter optional
- Seamlessly work with siglent Digital Storage Oscilloscope and support remote command control

Specifications

Model	SDG1050	SDG1025	SDG1020	SDG1010	SDG1005
Maximum output frequency	50MHz	25MHz	20MHz	10MHz	5MHz
Output channels	2				
Sampling rate	125MSa/s				
Wave length	16Kpts				
Frequency resolution	1 μ Hz				
Vertical resolution	14bit				
Waveform	Sine, Square, Ramp, Pulse, Gaussian white noise, 48 types of built-in function waveforms, Arb				
Modulation function	AM, DSB-AM, FM, PM, FSK, ASK, PWM, Sweep, Burst				
Amplitude	CH1: 2mVpp~10Vpp(50 Ω), 4mVpp~20Vpp(high impedance) CH2: 2mVpp~3Vpp(50 Ω), 4mVpp~6Vpp(high impedance)				
Frequency counter	Frequency range: 100mHz ~ 200MHz				
Interface	USB Host, USB Device				
Optional interface	USB-GPIB adapter				
Dimension	229mm*105mm*281mm				

SDG5000 Series Function/Arbitrary Waveform Generator



Application

- IC test
- Analog sensor
- Simulate environment signals
- Electrical circuit function test
- Education and training

Features and Benefits

- Apply DDS technology, double channels output, phase adjustable
- Output frequency up to 160MHz, 500MSa/s sampling rate, 14bit vertical resolution, 512Kpts wave length
- 2ppm high frequency stability, -108dBc/Hz low phase noise
- Abundant modulation functions, sweep-frequency output, burst output
- Built-in high precision frequency counter, frequency up to 200MHz
- Standard interfaces: USB Device, USB Host
- Seamlessly work with siglent Digital Storage oscilloscope and support remote command control

Specifications

Model	SDG5162	SDG5122	SDG5112	SDG5072
Maximum output frequency	160MHz	120MHz	110MHz	70MHz
Output channels	2			
Sampling rate	500MSa/s			
Wave length	CH1:16Kpts,CH2:512Kpts			
Frequency resolution	1 μ Hz			
Vertical resolution	14bit			
Waveform	Sine, Square, Ramp, Pulse, Gaussian white noise, Arb			
Modulation function	AM, DSB-AM, FM, PM, FSK, ASK, PWM, Sweep, Burst			
Amplitude	CH1/CH2 \leq 40MHz: 1mVpp~10Vpp(50 Ω), 2mVpp~20Vpp(high impedance) 40MHz~100MHz: 1mVpp~5Vpp(50 Ω), 2mVpp~10Vpp(high impedance) 100MHz~160MHz: 1mVpp~2.5Vpp(50 Ω), 2mVpp~5Vpp(high impedance)			
Frequency counter	Frequency range: 100mHz ~ 200MHz			
Interface	USB Host, USB Device			
Optional interface	GPIB(IEEE-488), LAN			
Dimension	261mm*104.85mm*343.8mm			