

SDG 1000 Series



Product overview:

The SDG1000 series of high-performance function/arbitrary waveform generators use direct digital synthesis (DDS) technology and can generate accurate, stable, clean and low distortion output signals. It provides fast rising and falling edge square waves up to 25MHz. The SDG1000 series provides a user-friendly graphical interface that can help you complete tasks faster and greatly improve your work efficiency. It has dual-channel output and each channel can output waveforms up to 50MHz (Sine Wave).

Features and Benefits:

- Apply DDS technology, double output, adjustable phase, the highest output frequency is 50MHz
- 125MSa/s sample rate, 14bit vertical resolution, 16Kpts wave length
- Output 5 types of standard waveform, internally installed 48 types of waveform
- Internally installed high precision, wide frequency counter, frequency is up to 200MHz
- Abundant modulation function, sweep-frequency output, pulse train output
- Standard collocation connection: USB Device, USB Host, support U Disk storage and software, upgrading GPIB port is optional
- Can connect to SDS1000 series digital oscilloscope perfectly, and support remote command control

Design Features:

46 types of built-in arbitrary waveforms

Square CH2		Arb CH1		Arb	
ExpFall	ExpRise	LogFall	LogRise	Common	
Sqrt	Root3	X^2	X^3	Math	
Sinc	Gaussian	Dlorentz	Haversine		
Lorentz	Gauspuls	Gmonopuls	Tripuls	Project	
CH1 Waveform		Load: 50Ω		Winfun\	
Frequency	2.000 000kHz			Triangle	
Amp1	2.0mVpp	Phase	0.0°		
Offset	4.999Vdc				Select

Powerful modulation

Sine CH2		Sine CH1		Burst
				Period
				StartPhase
				Ncycle
Sine Burst		Load: Hi-Z		Gated
Pulse Period	10.000ms			Source
Freq	1.000kHz	Amp1	4.000Vpp	
				Internal
				1/2
				↓

Burst

Square CH2		Arb CH1		Mod
				DSB Freq
				Type
DSB-AM Mod		Load: 50Ω		DSB-AM
DSBAM Freq	100.000Hz			Shape
Freq	2.000kHz	Amp1	2.0mVpp	
				Sine
				Source
				Internal

Sweep

Sine CH2		Sine CH1		Sweep
				SwpTime
				StopFreq
				FrqSpan
Sine Sweep		Load: Hi-Z		StartFreq
Sweep Time	1.000s			MidFreq
Freq	1.000kHz	Amp1	4.000Vpp	
				Source
				Internal
				1/2
				↓

Ordering Information:

MODEL	SDG1000
	SDG1050 50MHz 2 channel
	SDG1025 25MHz 2 channel
	SDG1020 20MHz 2 channel
	SDG1010 10MHz 2 channel
	SDG1005 5MHz 2 channel
Standard accessories	A USB cable
	A QuickStart Guide
	A product qualification certificate
	Warranty Card
	A power cord designed for the instrument and authorized by local country
	CD (contains EasyScope PC software)
Optional accessories	USB-GIPB adapter
	Double BNC lines