## 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

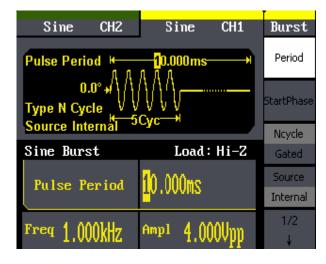
• Can connect to SDS1000 series digital oscilloscope perfectly, and support remote command control

### **Design Features:**

46 types of built-in arbitrary waveforms

Squar	e CH2	Arb	CH1	Arb
ExpFall	ExpRise	LogFall	LogRise	Common
Sqrt Sinc	Root3 Gaussian	X^2 Dlorentz	X^3 Haversine	Math
Lorentz		Gmonopuls	Tripuls d: 50♀	Project
CH1 Waveform Frequency			)0kHz	Winfun\
Amp1 2.0mUpp		Phase () ()°		Triangle
Offset 4	.999Vdc			Select

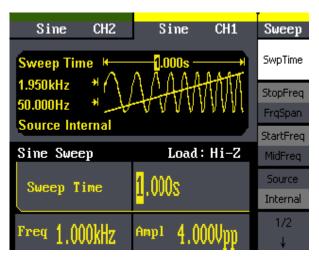
#### Powerful modulation



Burst

Square CH2	Arb CH1	Mod
Type K	DSB Freq	
Type <mark>DSB-AM</mark> ∛₩ Shape Sine		
Source Internal	Туре	
DSB-AM Mod	Load : 50 🕰	DSB-AM
DSBAM Freq	100.000Hz	Shape
		Sine
Freq 2 000LUm	Ampi 2 AmUnn	Source
Freq 2.000kHz	Amp1 2.0mVpp	Internal

## Sweep



# **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		