



## 60 MHz Dual Channel Function / Signal generator DDS F.G.+ Arbitrary

### Product Description :

SGDA-60M dual channel function arbitrary waveform generator adopts a 2.8-inch colour screen and comfortable silicone keys. It can output sine wave, square wave, triangular wave, pulse wave, DC and arbitrary waveform. It has the functions of Waveform Modulation, Burst, PWM, Scanning Frequency, Scanning Amplitude, Scanning Duty, VCO Voltage controlled scanning, etc. It is equipped with a frequency meter and counter. Suitable for DIY, scientific research, teaching Product development, debugging and other scenarios.

Channels	:	<b>2</b>
Sine wave frequency	:	<b>1nHz-60MHz</b>
Sampling Rate	:	<b>275MSa/s</b>
Wave length	:	<b>8192 points/channel</b>
Waveform vertical resolution	:	<b>14 bits</b>

### **Wave types :-**

Sine wave, square wave, pulse wave (duty ratio, pulse width and cycle time can be precisely set), triangle wave, rising ramp, falling ramp, CMOS wave, DC level, half wave, full wave, positive step wave, Inverse staircase wave, exponential rise, exponential fall, Lorentz pulse wave, multisonic wave, random noise wave, trapezoidal pulse wave, Sink pulse wave, and 99 sets of user-defined waveforms.

## Technical Data :-

Square wave	:	1nHz-15MHz
Triangle wave	:	1nHz-15MHz
Frequency resolution	:	1nHz
Rise/Fall Time	:	20nS
Amplitude range	:	≤1MHz,2mVpp~25Vpp ≤11MHz,2mVpp~10Vpp ≤60MHz,2mVpp~5Vpp
Amplitude resolution	:	1mVpp
Amplitude stability	:	± 1% ±1mVpp (@ 1kHz,>10mVpp)
Amplitude flatness	:	Frequency10MHz:±1%(0.1dB) ≤Frequency50MHz:±2%(0.2dB) ≤Frequency60MHz:±10%(0.9dB)
Offset range	:	-9.99V-12.00V
Offset resolution	:	0.01V
Phase adjustment range	:	0°-359.99°
Resolution	:	0.01°
Output impedance	:	50 (typical)
Modulation type	:	AM,FM,PM,ASK,FSK,PSK,PWM
Trigger source	:	Manual burst, CH2 burst, external burst (AC), external burst (DC)
Measurement function	:	Frequency