

# DDS FUNCTION GENERATOR

SG1000 SERIES



## Features

### DDS technology design, ultra-low power consumption

- .Frequency range: 0.1Hz~3MHz(SG1003)
- 0.1Hz~5MHz(SG1005)
- 0.1Hz~8MHz(SG1008)
- .High frequency accuracy:  $\pm 1 \times 10^{-6}$
- .High frequency stability:  $\pm 1 \times 10^{-6}$
- .Max. frequency resolution: 100mHz
- .Low distortion sine wave: <0.3%
- .Through the keyboard input frequency set value
- .Voltage display



SG1003

Technical Data		SG1003/SG1005/SG1008
Main output	Output frequency	0.1Hz~3MHz(SG1003) 0.1Hz~5MHz(SG1005) 0.1Hz~8MHz(SG1008)
	Output waveform	Sine, square, triangle
	Frequency accuracy	$\pm 5 \times 10^{-6}$
	Frequency resolution	100mHz
	Frequency stability	$\pm 1 \times 10^{-6}$
	Output amplitude	0.2~20Vp-p
	Amplitude accuracy	$\pm 10\%$ (1kHz, 20Vp-p)
	Impedance	50 $\Omega$ $\pm 10\%$
	Attenuator	-40dB, 0dB
	DC offset	$\pm 10V$
	Display	6 digits LED display
	Output control	ON/OFF selector
	Sine wave	Distortion factor
Triangle wave	Linear	$\geq 98\%$ 100mHz~100kHz
		$\geq 95\%$ 100kHz~1MHz
Square wave	Duty cycle	10%~90%
	Rise or fall time	$\leq 25ns$
TTL/COMS output	TTL level	$\geq 3Vp-p$
	Output capability	20TTL load
	CMOS level	3~13.5Vp-p
Power supply		110~127VAC $\pm 10\%$ / 220~240VAC $\pm 10\%$ , 50Hz $\pm 2Hz$ / 60Hz $\pm 2Hz$
Dimensions		300(W) $\times$ 110(H) $\times$ 265(D)mm
Weight		1.5kg

POWER SUPPLY

TEST INSTRUMENT

EDU. INSTRUMENT

METER

MACHINE

ACCESSORY