

## SG300A SERIES

### Features

- .2 Channel output
- .Max. output frequency 25MHz
- .Arbitrary waveform output
- .Inner -20dB attenuator with 1mV accuracy
- .Max. 999s Ling/Log. sweep
- .Pulse duty cycle resolution up to 1%
- .Compact design, high desktop efficiency
- .PC software available



SG325A

Technical Data		SG306A	SG312A	SG325A
Main output	Output frequency	0~6MHz (sine) 0~6MHz (others)	0~12MHz (sine) 0~6MHz (others)	0~25MHz (sine) 0~6MHz (others)
	Output amplitude	5mVp-p~20Vp-p (>12MHz) 5mVp-p~15Vp-p (<12MHz)		
	Output wave	sine, square, triangle, TTL, arbitrary		
	Output modulation	sweep frequency		
	Wave length	2048 points		
	Wave accuracy	12bits		
	Sampling rate	200Msa/s		
	Frequency resolution	10mHz		
	Frequency accuracy	≤ ±20ppm		
	Amplitude resolution	10mVp-p(no attenuation), 1mVp-p(-20dB)		
	Amplitude accuracy	≤ ±1%+10mV@1kHz, 15Vp-p		
	Amplitude stability	±0.5% (every 5 hours)		
	Offset range	-120%~+120% (offset voltage : signal amplitude)		
	Offset resolution	1%		
	Phase range	0~ 359.0°		
Phase resolution	1°			
Sine wave	Harmonic distortion	40dBc(<1MHz) 35dBc(1MHz~20MHz)		
	Distortion factor	≤0.8% (20Hz~20kHz)		
Square wave	Rise time	≤20ns		
	Duty cycle range	0 ~ 99.9%		
TTL output	Rise or fall time	≤20ns		
	Low level	<0.3V		
Sweep	High level	1V~10V		
	Sweep mode	Line and log		
Ext. measuring	Sweep time	1s~999s		
	Frequency range	0.1Hz~60MHz	Gate time = 10s	
		1Hz~60MHz	Gate time = 1s	
		10Hz~60MHz	Gate time = 0.1s	
		100Hz~60MHz	Gate time = 0.01s	
	Output amplitude	0.5Vp-p~20Vp-p		
	Counter range (manual)	0~4294967295		
Pulse width measuring	Max. 10s (10ns resolution)			
Cycle measuring	Max. 20s (20ns resolution)			
Duty cycle measuring	0.1%~99.9% (0.1% resolution)			
Signal input	Ext. IN (analog input), TTL IN (digital input)			
Storage	M0~M9 (10 slot)			
Remote control interface	USB			
Power supply	DC 5V (with adapter)			
Dimensions(W × H × D)	190 × 71 × 180mm			
Weight	0.5 kg			