

SG300B SERIES

Features

- .2 Channel output
- .Max. output frequency 50MHz
- .Frequency resolution up to 0.01uHz
- .Arbitrary waveform output
- .2.4 inch TFT color display
- .Max. 999.9s Ling/Log. sweep
- .Pulse duty cycle resolution up to 1‰
- .Compact design, high desktop efficiency
- .PC software available



SG330B

Technical Data		SG315B	SG330B	SG350B
Main output	Output frequency	0~15MHz (sine) 0~15MHz (triangle, square)	0~30MHz (sine) 0~6MHz (others)	0~50MHz (sine)
	Output amplitude	2mVp-p~20Vp-p (≤10MHz) 2mVp-p~10Vp-p (10MHz~30MHz) 2mVp-p~5Vp-p (≥30MHz)		
	Output wave	sine, square, triangle, TTL, arbitrary		
	Output modulation	sweep frequency		
	Wave length	2048 points		
	Wave accuracy	14bits		
	Sampling rate	266Msa/s		
	Frequency resolution	0.01uHz		
	Frequency accuracy	≤±20ppm		
	Amplitude resolution	1mV		
	Amplitude accuracy	≤±1%+10mV@1kHz, 15Vp-p		
	Amplitude stability	±0.5% (every 5 hours)		
	Offset range	-9.99V~9.99V (>2V)	-2.5V~2.5V (0.2V~2V)	-0.25V~0.25V (0~0.2V)
	Offset resolution	0.01V		
	Phase range	0~ 359.9°		
	Phase resolution	0.1°		
Sine wave	Harmonic distortion	≥45dBc(<1MHz) ≥40dBc(1MHz~20MHz)		
	Distortion factor	≤0.8% (20Hz~20kHz)		
Square wave	Rise time	≤25ns	≤20ns	≤15ns
	Duty cycle range	0.1% ~ 99.9%		
	Overshot	≤5%		
TTL output	Rise or fall time	≤20ns		
	Low level	<0.3V		
	High level	1V~10V		
	Overshot	≤5%		
Sweep	Sweep mode	Line and log		
	Sweep time	0.1s~999.9s		
Ext. measuring	Frequency range	1Hz~100MHz	Gate time = 0.01s~10s	
	Iutput amplitude	0.5Vp-p~20Vp-p		
	Counter range (manual)	0~4294967295		
	Pulse width measuring	Max. 20s (0.01us resolution)		
	Cycle measuring	Max. 20s (0.01us resolution)		
	Signal input	Ext. IN (analog input), TTL IN (digital input)		
Storage		M0~M99 (100 slot)		
Remote control interface		USB		
Power supply		DC 5V (with adapter)		
Dimensions(W × H × D)		194 × 69 × 180mm		
Weight		0.5 kg		