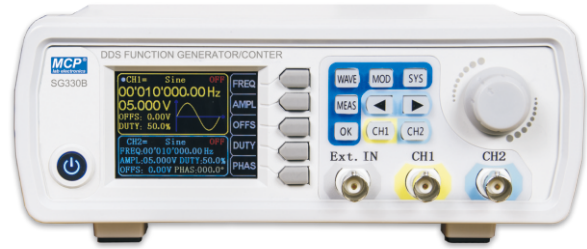


## SG300B SERIES

### 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 ( $\leq 10$ MHz) 2mVp-p~10Vp-p (10MHz~30MHz)	2mVp-p~5Vp-p ( $\geq 30$ MHz)	
	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	$\leq \pm 20$ ppm		
	Amplitude resolution	1mV		
	Amplitude accuracy	$\leq \pm 1\% + 10$ mV@1kHz, 15Vp-p		
	Amplitude stability	$\pm 0.5\%$ (every 5 hours)		
	Offset range	-9.99V~9.99V ( $> 2$ V)	-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	$\geq 45$ dBc ( $< 1$ MHz) $\geq 40$ dBc (1MHz~20MHz)		
	Distortion factor	$\leq 0.8\%$ (20Hz~20kHz)		
Square wave	Rise time	$\leq 25$ ns	$\leq 20$ ns	$\leq 15$ ns
	Duty cycle range	0.1% ~ 99.9%		
	Overshot	$\leq 5\%$		
TTL output	Rise or fall time	$\leq 20$ ns		
	Low level	$< 0.3$ V		
	High level	1V~10V		
	Overshot	$\leq 5\%$		
Sweep	Sweep mode	Line and log		
	Sweep time	0.1s~999.9s		
Ext. measuring	Frequency range	1Hz~100MHz	Gate time = 0.01s~10s	
	Output 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)		
Storage	Signal input			
Remote control interface	Ext. IN (analog input), TTL IN (digital input)			
Power supply	M0~M99 (100 slot)			
Dimensions(W × H × D)	USB			
Weight	DC 5V (with adapter)			
	194 × 69 × 180mm			
	0.5 kg			