

FUNCTION GENERATOR

Features

- .Multi waveform:Sine,Triangle,Square,Ramp,Pulse,TTL and CMOS
- .Various output mode CW,Function,INT/EXT Sweep,AM,FM,FSK,Power,Single
- .DC Offset,Symmetry,Amplitude continuously adjustable
- .Built-in counter with INT(5digits)/EXT(8digits)up to 100MHz/equal accurate
- .High reliability MTBF>10000h
- .Full output protection
- .Output amplitude display peak-peak and RMS
- .Interface option RS-232 or RS-485



SG1642C
Large view

Technical Data		SG1642A	SG1642B	SP1642C
Main output	Output frequency	0.2Hz~5MHz	0.2Hz~10MHz	0.2Hz~20MHz
	Output waveforms	Sine wave,Square wave,Triangle wave,Ramp wave and etc.		
	Output impedance	50Ω±10%		
	Output amplitude	10Vp-p±10%(50Ω) 20Vp-p±10%(1MΩ)		
	Output attenuation	0dB/20dB/40dB/60dB		
	DC offset	-5V~+5V±10%(50Ω) -10V~+10V±10% (1MΩ)		
	Symmetry	20%~80%		
Sine wave	Distortion factor	10Hz ~ 100kHz≤0.8%		
Triangle wave	Linear	90%		
Square wave	Rise or fall time	20ns		
TTL output	Level	Low≤0.8V High≥1.8V		
CMOS output	Level	3Vp-p~15p-p adjustable		
VCF	Input voltage	0V~2V		
	Input impedance	100KΩ±10%		
Sweep	Sweep mode	Lin./Log		
	Sweep rate	100:1 ratio max.and adjustable		
	Sweep time	10ms~5s±10%		
Amplitude modulation	Depth	0~100%		
	MOD.frequency	1kHz		
	EXT.impedance	1kHz		
	EXT.sensitivity	0V~2V		
Frequency modulation	Deviation	0~5%		
	MOD.frequency	1kHz		
	EXT.impedance	100KΩ±10%		
	EXT.sensitivity	0V~2V		
Counter	Display	5 digits(INT.)8 digits(EXT.)		
	Frequency range	0.2Hz~3MHz 0.2Hz~100MHz(EXT.)	0.2Hz~10MHz 0.2Hz~100MHz(EXT.)	0.2Hz~20MHz 0.2Hz~100MHz(EXT.)
	Input impedance	500kΩ/30pF		
	Time base	10MHz		
	Accuracy	Time base accuracy±count		
	Attenuator	-20dB		
	Stability	5×10 ⁻⁵ /d		
Single(option)	Output waveform	Sine		
	Output frequency	50Hz		
Power(option)	Output power	10W(4Ωload)		
	Output waveform	Sine		

	Output frequency	20Hz~40kHz
Power supply		110~127VAC±10%,220~240VAC±10%,50Hz±2Hz/60Hz±2Hz
Dimensions(W×H×D)		240×80×220mm
Weight		1.75kg