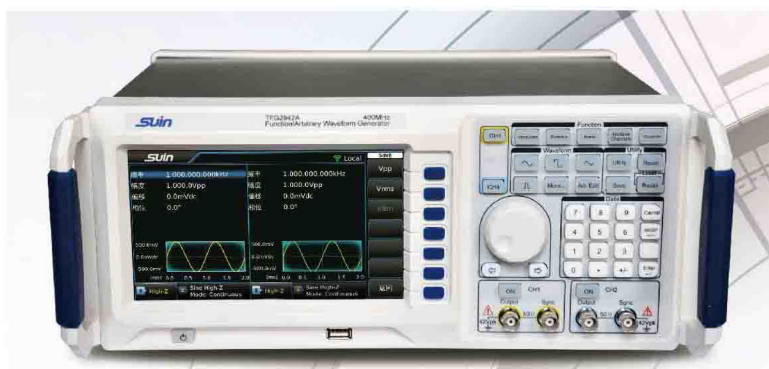


TFG2900A Series Arbitrary Waveform Generators



Features

- 1.2GSa/s sample rate, 14 bits vertical resolution
- Maximum 4 output channels can be configured
- Generating arbitrary waveform points by points to ensure output high-quality waveform accurately
- Unique Harmonic Synthesis
- Standard Interface include: USB Host, USB Device, LAN and WIFI
- 7" touch screen display for easier operation(pixel 800*400)

Specification

	TFG2922A	TFG2924A	TFG2932A	TFG2934A	TFG2942A	TFG2944A
Output Channel	2	4	2	4	2	4
Frequency						
Sine	1μHz~200MHz		1μHz~300MHz		1μHz~400MHz	
Square	1μHz~120MHz					
Pulse	1μHz~80MHz					
Ramp	1μHz~6MHz					
Others	1μHz~50MHz					
Resolution	1μHz					
Accuracy	±1ppm					
Waveform						
Type	165 kinds include : Sine, Square, Ramp, Pulse, Noise, DC, PRBS, build-in arbitrary waveforms ,user-defined harmonic, etc.					
Sample Rate	1.2GSa/s					
Vertical Resolution	14 bits					
Arbitrary	Sample Rate	1uSa/s~200MSa/s				
	Length	2 ~ 32M points				
	Resolution	14 bits				
Square	Rise/Fall Time	≤2.5ns				
	Duty Cycle	0.01%~99.99%				
Pulse	Rise/Fall Time	2.5ns ~1.2s				
	Width	4ns~(period-4ns)				
Sine Spectral Purity						
Total Distortion	≤0.2% (20Hz~20kHz,20Vpp)					
Phase Noise	≤-140dBc/Hz@10MHz (0dBm, 10kHz offset)					
Amplitude (into 50Ω)						
≤40MHz	1mVpp~10Vpp					
≤100MHz	1mVpp~5Vpp					
≤200MHz	1mVpp~2Vpp					
≤300MHz	1mVpp~1.5Vpp					
>300MHz	1mVpp~1Vpp					
Accuracy	±(1% of setting + 1mVpp), (Sine 1kHz, 0V offset, ≥10mVpp)					
Offset						
Range	±5Vpk ac+dc (50Ω load)					
Accuracy	±(1% of setting+2mV+0.5% of amplitude) (High-Z)					
Modulation						
Type	FM, AM, PM, PWM, Sum, FSK, 4FSK, NFSK, PSK, 4PSK, NPSK, ASK, OSK					
Burst						
Burst Count	1 to 100 000 000 cycles					
General Characteristic						
Power	AC 100~240V, 45~65Hz, <70VA (TFG29X2A), <80VA (TFG29X4A)					
Dimension & Weight	364×155×329 mm, 7.0Kgs, (TFG29X2A)					
	364×155×468 mm, 10.0Kgs (TFG29X4A)					

Standard Accessories

Power Cord	1
BNC cable	1
CD(Software+ User's Guide)	1
Wifi Antenna	1

Options

Frequency Counter (upper limits to 3GHz)
OCXO (accuracy:±0.01ppm±1μHz)