TFG1900A Series Function/Arbitrary Waveform Generators

USB CE 2CH PC Software

Features

- Dual channel outputs
- Frequency accuracy 20ppm and 1μHz resoultuon
- Abundant mudulation function AM, FM, PM, PWM and FSK
- Provide sweep and burst
- 100MHz built-in counter
- Standard interface : USB Device & Host

Specification

		TFG1905A	TFG1910A	TFG1920A
Frequency				
Range	Sine	1μHz ~ 5MHz	1μHz ~ 10MHz	1μHz ~ 20MHz
	Square, Pulse	1μHz ~ 5MHz		
	others	1μHz ~ 1MHz		
Resolution		1μHz, 6digits		
Accuracy		±20ppm		
Waveform				
Type		11 build-in waveform (Sine, Square, Ramp, Pulse, etc.) + 5 user-defined arbitrary waveforms		
Length		4096 points		
Sample Rate		100 MSa/s		
Vertical Resolution		10 bits		
Amplitude Characteristics				
Range	Frequency≤8MHz	0 ~ 10Vpp(50Ω), 0 ~ 20Vpp(Open circuit)		
	Frequency>8MHz	0 ~ 9Vpp (50Ω), 0 ~ 18Vpp(Open circuit)		
Resolution		2mVpp(Amplitude>2Vpp) 0.2mVpp(Amplitude≤2Vpp)		
Offset Characteristics (Ampl. 0Vpp)				
Range		±5Vdc (50Ω), ±10Vdc (Open circuit)		
Resolution		2mVdc		
Modulation Characteristics (CHA)				
FM,AM,PM, PWM	Carrier Waveform	16 waveforms, Sine, Square, Ramp, etc. (PWM is only for Pulse)		
	Modulating Waveform	16 waveforms, Sine, Square, Ramp, etc.		
	Modulating Frequency	2mHz ~ 20kHz		
FSK	Carrier Waveform	16 waveforms, Sine, Square, Ramp, etc.		
	Hop Frequency	1μHz ~ 5MHz	1μHz ~ 10MHz	1μHz ~ 20MHz
	Rate	1mHz ~ 100kHz		
Sweep Characteristics (CHA)				
Carrier Waveform		16 waveforms, Sine, Square, Ramp, etc.		
Type		Linear or Log		
Sweep Time		50ms ~ 500s		
Burst Characteristics (CHA)				
Carrier Waveform		16 waveforms, Sine, Square, Ramp, etc.		
Burst Count		1 ~ 1000000		
Internal Period		1μs ~ 500s		
Start/Stop Phase		0° ~ 360°		
Sync Output				
Waveform Characteristic		Square, rise/fall time ≤ 20ns		
Output Level		TTL compatible		
Counter				
Frequency Range		1Hz ~ 100MHz		
Input Amplitude		100mVrms ~ 7Vrms		
Period		50ms ~ 5s		
General Characteristics				
Power		AC 100 ~ 240V, 45 ~ 65Hz, < 30VA		
Display		VFD display		
Dimension & Weight		322×256×102 mm, Approx.1.5 kg		

Standard Accessories

Power Cord	1
CD(Software+ User's Guide)	1

Options

Power Amplifier: 10W, load 8Ω