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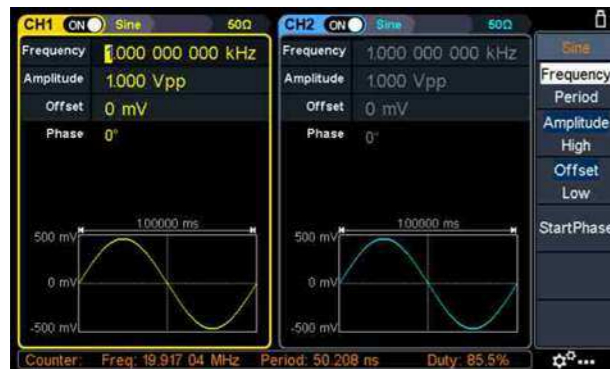
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XDG2000 Series Dual-channel Arbitrary Waveform Generator

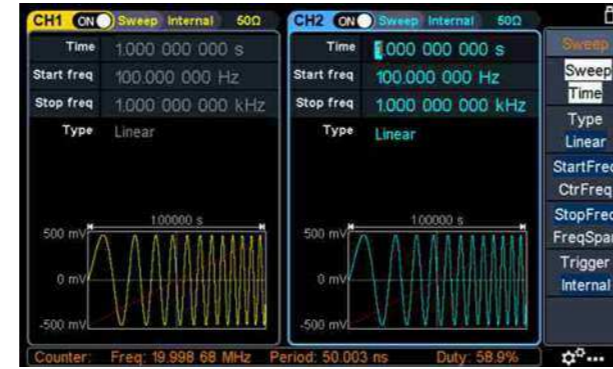


- + Max 100MHz frequency output
- + 500MSa/s Sample rate, Vertical resolution 1μHz
- + 14 bits Vertical Resolution, 10Marb waveform length
- + Comprehensive waveform output : 6 basic waveforms, and 150 built-in arbitrary waveforms
- + Comprehensive modulation functions : AM, DSB-AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, 3FSK, 4FSK, OSK, PWM and SUM
- + High-accuracy frequency counter integrated, supported range 100mHz - 200MHz
- + SCPI, and LabVIEW supported
- + 7 inch (800 × 480 pixels) LCD

Equal performance dual channel output



Rich sweep function



Rich analog and digital modulation



Build-in 152 arbitrary waveforms



Model	XDG2100	XDG2080	XDG2060	XDG2035
Channel	2			
Frequency Output	100MHz	80MHz	60MHz	35MHz
Sample Rate	500MSa/s			
Vertical Resolution	14 bits			
Waveform				
Standard Waveform	sine, square, pulse, ramp, noise, and harmonic			
Arbitrary Waveform	exponential rise, exponential fall, sin(x)/x, step wave, and others, total 150 built-in waveforms, and user-defined arbitrary waveform			
Frequency (resolution 1μHz)				
Sine	1μz - 100MHz	1μz - 80MHz	1μz - 60MHz	1μz - 35MHz
Square	1μz - 30MHz	1μz - 30MHz	1μz - 30MHz	1μz - 15MHz
Pulse	1μz - 25MHz	1μz - 25MHz	1μz - 25MHz	1μz - 15MHz
Ramp	1μz - 3MHz	1μz - 3MHz	1μz - 3MHz	1μz - 3MHz
Noise (-3dB, typical)	100MHz	80MHz	60MHz	30MHz
Arbitrary Waveform	1μz - 15MHz	1μz - 15MHz	1μz - 15MHz	1μz - 15MHz
Harmonic	1μz - 50MHz	1μz - 40MHz	1μz - 30MHz	1μz - 17.5MHz
Accuracy	±1ppm, 25°C±5°C			
Waveform Length	2 points - 10M points			
Amplitude				
into 50Ω load	1mVpp - 10Vpp (≤ 25MHz), 1mVpp - 5Vpp (≤60MHz), 1mVpp - 2.5Vpp (≤100MHz)			
Modulation				
Type	AM, DSB-AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, 3FSK, 4FSK, OSK, PWM, SUM			
Frequency Counter				
Function	Frequency, period, +width, -width, +duty, and -duty			
Frequency Range	100mHz - 200MHz			
Frequency Resolution	7 digits			
Input / Output				
Input mode	frequency counter, external modulation input, external trigger input, Internal clock output, external reference clock input / output			
Communication Interface	USB Host, USB Device, LAN, RS232 (optional)			
Mechanical specifications				
Size	340mm x 177mm x 90mm			
Weight	2.3kg			

Specifications subject to change without prior notice.

+ Accessories The accessories subject to final delivery.



Power Cord CD Rom Quick Guide USB Cable Q9 Cable