

XDG2000 Series Arb Waveform Generator



- + Max 100MHz frequency output
- + 500MSa/s Sample rate , Vertical resolution 1 μ Hz
- + Dual output+16CH logic output (optional)
- + 14 bits or 16bits 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、SUM
- + High-accuracy frequency counter integrated, supported range 100mHz - 200MHz
- + SCPI, and LabVIEW supported
- + 7 inch (800 × 480 pixels) LCD

+ Performance Specifications

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 1 μ Hz)

Sine	1 μ Hz-100MHz	1 μ Hz-80MHz	1 μ Hz-60MHz	1 μ Hz-35MHz
Square	1 μ Hz ~ 30MHz	1 μ Hz ~ 30MHz	1 μ Hz ~ 30MHz	1 μ Hz ~ 15MHz
Pulse	1 μ Hz ~ 25MHz	1 μ Hz ~ 25MHz	1 μ Hz ~ 25MHz	1 μ Hz ~ 25MHz
Ramp	1 μ Hz ~ 3MHz	1 μ Hz ~ 3MHz	1 μ Hz ~ 3MHz	1 μ Hz ~ 3MHz
Noise	60MHz (-3dB , typical)	60MHz (-3dB , typical)	60MHz (-3dB , typical)	30MHz (-3dB , typical)
Arbitrary Waveform	1 μ Hz ~15MHz	1 μ Hz ~15MHz	1 μ Hz ~15MHz	1 μ Hz ~15MHz
Harmonic	1 μ Hz ~50MHz	1 μ Hz ~40MHz	1 μ Hz ~30MHz	1 μ Hz ~15MHz
Accuracy	\pm 1ppm, 0°C - 40°C			

Amplitude

into 50 Ω load	1mVpp ~ 10Vpp (\leq 25MHz) ; 1mVpp ~ 5Vpp (\leq 60MHz) ; 1mVpp ~ 2.5Vpp (\leq 100MHz) ;
Resolution	1mV or 4digits
DC Offset Accuracy	\pm (1% of setting + 1 mVpp+ amplitude Vpp * 0.5%) (typical 1kHz sine, 0V offset)
Load Impedance	50 Ω (typical)

Arbitrary

Waveform Length	2 points - 10M points
Minimum	<8ns

Rise/Fall Time	
Vertical Resolution	14 bits
Sample Rate	500MSa/s

Modulation

Type	AM、DSB-AM、FM、PM、ASK、FSK、PSK、BPSK、QPSK、3FSK、4FSK、OSK、PWM、SUM
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Frequency Counter

Function	frequency period, +width, -width, +duty, and -duty
Frequency Range	100mHz ~ 200MHz
Frequency Resolution	7 digits

Input / Output

Type	frequency counter, external modulation input, external trigger input, Internal reference clock output , external reference clock input / output
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Mechanical specifications

Weight	2.5kg
Size	340mm×177mm×90mm
Display	7" 800 x 480 pixels LCD
Communication Interface	USB Host, USB Device, COMand LAN

Specifications subject to change without prior notice.

+ Accessories

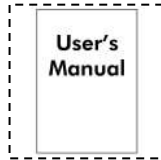
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



Q9 Cable