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

CE

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