

XDG3000 Series

Dual-channel Arbitrary Waveform Generator



- + Advanced DDS technology, Max 250MHz frequency output
- + Max 1.25GS/s sample rate, and 1μHz frequency resolution
- + Vertical Resolution :14 bits, max 1M arb waveform length
- + Comprehensive waveform output : 6 basic waveforms, and 152 built-in arbitrary waveforms
- + Comprehensive modulation functions : AM, FM, PM, FSK, 3FSK, 4FSK, PSK, OSK, ASK, BPSK, PWM, Sweep, and Burst
- + High-accuracy frequency counter integrated, supported range 100mHz - 200MHz
- + SCPI, and LabVIEW supported
- + 8 inch high resolution (800 × 600 pixels) LCD

Equal performance dual channel output



Rich sweep function



Rich analog and digital modulation



Build-in 152 arbitrary waveforms



+ Performance Specifications

Model	XDG3252	XDG3202	XDG3162	XDG3102	XDG3082
Channel	dual				
Frequency Output	250MHz	200MHz	160MHz	100MHz	80MHz
Sample Rate	1.25GSa/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 152 built-in waveforms, and user-defined arbitrary waveform				
Frequency (resolution 1μHz)					
Sine	1μHz - 250MHz	1μHz - 200MHz	1μHz - 160MHz	1μHz - 100MHz	1μHz - 80MHz
Square	1μHz - 50MHz	1μHz - 50MHz	1μHz - 50MHz	1μHz - 40MHz	1μHz - 30MHz
Pulse	1μHz - 25MHz	1μHz - 25MHz	1μHz - 25MHz	1μHz - 25MHz	1μHz - 25MHz
Ramp	1μHz - 5MHz				
Noise	120MHz (-3dB, type)				
Arb	1μHz - 50MHz				
Amplitude					
Amplitude (50Ω)	1mVpp - 10Vpp (≤ 40MHz), 1mVpp - 5Vpp (≤80MHz) 1mVpp - 2.5Vpp (≤120MHz), 1mVpp - 1Vpp (≤250MHz)				
Amplitude(high impedance)	2mVpp - 20Vpp (≤ 40MHz), 2mVpp - 10Vpp (≤80MHz) 2mVpp - 5Vpp (≤120MHz), 2mVpp - 2Vpp (≤250MHz)				
Resolution	1mV or 4digits				
DC Offset Range (AC+DC)	±5V(50Ω), ±10V (high impedance)				
DC Offset Range Resolution	1mV or 4digits				
Load Impedance	50Ω type				
Arbitrary Waveform					
Wave Length	2 - 1M pts				
Frequency	50MHz				
Modulation					
Type	AM, FM, PM, PWM, FSK, 3FSK, 4FSK, PSK, OSK, ASK, BPSK, sweep, and burst				
Frequency	2 mHz -100 kHz (AM, FM, PM, PWM), 2 mHz - 1MHz (FSK, 3FSK, 4FSK, PSK, OSK, ASK, BPSK),				
Frequency Counter					
Function	Frequency Period, +Width, -Width, +Duty, and -Duty				
Frequency Range	100mHz - 200MHz				
Frequency Resolution	7 digits/s				
Input / Output					
Display	8 inch (800 x 600 pixels) TFT LCD				
Type	counter, external modulation input, external trigger input, external reference clock input / output				
Communication Interface	USB Host, USB Device, LAN				
Mechanical					
Dimension (W×H×D)	340 x 177 x 90 (mm)				
Device Weight	2.50 kg				

Specifications subject to change without prior notice.

+ Application

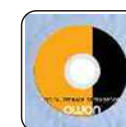
design and debug circuit function test education and training

+ Accessories

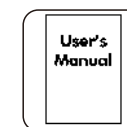
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



Q9 Cable