

XDG3000 Sereis 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 : 5 basic waveforms, and 150 built-in arbitrary waveforms
- + Comprehensive modulation functions : AM, FM, PM, FSK, 3FSK, 4FSK, PSK, QSK, 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



+ 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, and Noise
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	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 (≤200MHz)
Amplitude(high impedance)	2mVpp ~ 20Vpp (≤ 40MHz) ; 2mVpp ~ 10Vpp (≤80MHz) ; 2mVpp ~ 5Vpp (≤120MHz) ; 2mVpp ~ 2Vpp (≤200MHz)
Resolution	1mVPP or 4digits
DC Offset Range (AD+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
Sample Rate	1GSa/s

Modulation

Modulation Waveform	AM、FM、PM、PWM、FSK、3FSK、4FSK、PSK、OSK、ASK、BPSK、Sweep、Burst
Modulation Frequency	2 mHz -100 kHz(AM、FM、PM、PWM); 2 mHz ~ 1MHz(FSK、3FSK、4FSK、PSK、OSK、ASK、BPSK) ; 2mHz - 100MHz (Burst) ; 1uHz-200MHz (Sweep)

Cymometer

Function	Frequency Period, +Width, -Width, +Duty, and -Duty
Frequency Range	100mHz ~ 200MHz
Frequency Resolution	7 digits/s

Input / Output

Display	8 inch (800x600) 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)	340mm x 177mm x 90mm
Device Weight	About 2.5KG

Specifications subject to change without prior notice.

+ Application

design and debug circuit function test education & training

+ Accessories

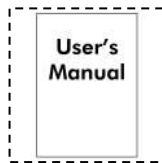
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



Q9 Cable