

AG-Series

Dual-channel Arbitrary Waveform Generator

- + Advanced DDS technology, max 60MHz frequency output
 - + Up to 250MS/s sample rate, and 1 μ Hz frequency resolution
 - + Vertical Resolution : 14 bits, up to 1M arb waveform length
 - + Comprehensive waveform output : 5 basic waveforms, and 45 built-in arbitrary waveforms
 - + Comprehensive modulation functions : AM, FM, PM, FSK, PWM, Sweep, and Burst
 - + High-accuracy frequency counter integrated, supported range 100mHz - 200MHz
 - + SCPI, and LabVIEW supported
 - + 4 inch high resolution (480 × 320 pixels) LCD
- + *could work with OWON SDS Series DSO smoothly*



+ Performance Specifications

Model	AG1012	AG1012F	AG1022	AG1022F	AG2052F	AG2062F
Channel	dual					
Frequency Output	10MHz		25MHz		50MHz	60MHz
Sample Rate	125MS/s			250MS/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 45 built-in waveforms, and user-defined arbitrary waveform

Frequency (resolution 1 μ Hz)

Sine	1 μ Hz - 10MHz	1 μ Hz - 25MHz	1 μ Hz - 50MHz	1 μ Hz - 60MHz
Square	1 μ Hz - 5MHz		1 μ Hz - 25MHz	1 μ Hz - 30MHz
Pulse	1 μ Hz - 5MHz		1 μ Hz - 10MHz	
Ramp	1 μ Hz - 1MHz			
Noise	25MHz (-3dB) (typical)			
Arb	1 μ Hz - 10MHz			

Amplitude

Amplitude	1mVpp - 10Vpp (50 Ω), 1mVpp - 20Vpp (high impedance)
Resolution	1m Vpp or 4 digits
DC Offset Range (AD+DC)	\pm 5V (50 Ω), \pm 10V (high impedance)
DC Offset Range Resolution	1mV or 4 digits

Load Impedance	50Ω (typical)	
Arbitrary Waveform		
Wave Length	2 pts to 8K pts	2 pts to 1M pts
Non-volatile Memory	64M byte	

Modulation			
Modulation Waveform	/	AM, FM, PM, FSK, Sweep, and Burst	AM, FM, PM, FSK, PWM, Sweep, and Burst
Modulation Frequency	/	2mHz to 20.00KHz (FSK 1μHz - 100KHz)	

Cymometer			
Function	/	Frequency Period, +Width, -Width, +Duty, and -Duty	
Frequency Range	/	100mHz ~ 200MHz	
Frequency Resolution	/	6 digits/s	

Power Amplifier Module (optional)			
Input Impedance	50 kΩ	Output Impedance	<2 Ω
Max Input Voltage	2.2Vpp	Gain	X 10
Max Output Voltage	22 Vpp	Offset	<7%
Output Slew Rate	10V/us	Bandwidth (at full power)	DC 100kHz
Max Output Power	10 W		

Input / Output			
Display	4 inch (480 × 320 pixels) LCD		
Type	external reference clock input / output	counter external modulation input , external trigger input , external reference clock input / output	
Communication Interface	USB host, and USB device, RS232 (option)		

Mechanical	
Dimension (W×H×D)	235 × 110 × 295 (mm)
Device Weight	3.00 kg

Specifications subject to change without prior notice.

+ Application

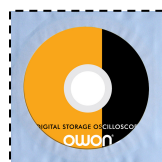
design and debug circuit function test education & training

+ Accessories

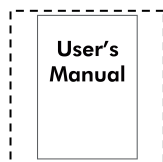
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



Q9 Cable