



AG-S Series

1-CH High Frequency Arbitrary Waveform Generator

- + Advanced DDS technology, max 150MHz frequency output
- + Up to 400MS/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
- + SCPI, and LabVIEW supported
- + 4 inch high resolution (480 × 320 pixels) LCD

+ could work with OWON SDS Series DSO smoothly

+ Performance Specifications

Model	AG4081	AG4101	AG4121	AG4151
Channel	single + trigger			
Frequency Output	80MHz	100MHz	120MHz	150MHz
Sample Rate	400MS/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, user-defined arbitrary waveform

Frequency (resolution 1 μ Hz)

Sine	1 μ Hz - 80MHz	1 μ Hz - 100MHz	1 μ Hz - 120MHz	1 μ Hz - 150MHz
Square	1 μ Hz - 40MHz	1 μ Hz - 50MHz		
Pulse	1 μ Hz - 20MHz	1 μ Hz - 25MHz		
Ramp	1 μ Hz - 1MHz			
Noise	50MHz (-3dB) (typical)			
Arb	1 μ Hz - 10MHz			

Amplitude

Amplitude	10m Vpp - 10 Vpp (50 Ω), 20m Vpp - 20 Vpp (high impedance)
Resolution	1mVpp 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	50 Ω (typical)

Arbitrary Waveform

Wave Length	2 pts to 1M pts
Sample Rate	200MS/s
Vertical Resolution	14 bits
Non-volatile Memory	64M byte

Modulation

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

Input / Output

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

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

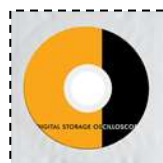
education & training

+ Accessories

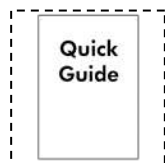
The accessories subject to final delivery.



Power Cord



CD Rom



Quick Guidel



USB Cable



Q9 Cable