

AG-S Series

1-CH High Frequency Arbitrary Waveform Generator

+ Advanced DDS technology, max 150MHz frequency output
+ Up to 400MS/s sample rate, and 1μHz 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 1μHz)				
Sine	1μHz - 80MHz	1μHz - 100MHz	1μHz - 120MHz	1μHz - 150MHz
Square	1μHz - 40MHz	1μHz - 50MHz		
Pulse	1μHz - 20MHz	1μHz - 25MHz		
Ramp	1μHz - 1MHz			
Noise	50MHz (-3dB) (typical)			
Arb	1μHz - 10MHz			
Amplitude				
Amplitude	10m Vpp - 10 Vpp (50Ω), 20m Vpp - 20 Vpp (high impedance)			
Resolution	1mVpp or 4 digits			
DC Offset Range (AD+DC)	±5V (50Ω), ±10V (high impedance)			
DC Offset Range Resolution	1mV or 4 digits			
Load Impedance	50Ω (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