



## AG-S Series

### Single-channel Arbitrary Waveform Generator - {5 - 10MHz}

- + Advanced DDS technology, upto 10MHz frequency output
- + 125MS/s sample rate, and 1 $\mu$ Hz frequency resolution
- + Vertical Resolution : 14 bits, and 8K arb waveform length
- + Comprehensive waveform output : 5 basic waveforms, and 45 built-in arbitrary waveforms
- + Comprehensive modulation functions : AM, FM, PM, FSK, Sweep, and Burst
- + SCPI, and LabVIEW supported
- + 4" high resolution (480 x 320 pixels) LCD

+ *could work with OWON SDS Series DSO smoothly*

### + Performance Specifications

Model	AG051	AG051F	AG1011	AG1011F
Channel	single + trigger			
Frequency Output	5MHz		10MHz	
Sample Rate	125MS/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 $\mu$ Hz)

Sine	1 $\mu$ Hz - 5MHz	1 $\mu$ Hz - 10MHz
Square	1 $\mu$ Hz - 5MHz	
Pulse	1 $\mu$ Hz - 5MHz	
Ramp	1 $\mu$ Hz - 1MHz	
Noise	5MHz (-3dB) (typical)	
Arb	1 $\mu$ Hz - 5MHz	

### Amplitude

Amplitude	1m Vpp - 12.5 Vpp (50 $\Omega$ ), 1m Vpp - 25 Vpp (high impedance)
Resolution	1m Vpp, or 4 digits
DC Offset Range (AD+DC)	$\pm$ 6.25V (50 $\Omega$ ), $\pm$ 12.5V (high impedance)
DC Offset Range Resolution	1mV, or 4 digits

Load Impedance	50Ω (typical)
<b>Arbitrary Waveform</b>	
Wave Length	2 pts to 8K pts
Sample Rate	125MS/s
Vertical Resolution	14 bits
Non-volatile Memory	64M bytes

### Modulation

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

### Power Amplifier Module (optional)

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

### Input / Output

Display	4 inch (480 x 320 pixels) LCD			
Type	external reference clock input	external modulation input, external trigger input, and external reference clock input	external reference clock input	external modulation input, external trigger input, and external reference clock input
Communication Interface	USB device			

### Mechanical

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

Specifications subject to change without prior notice.

### + Application

design and debug      circuit function test      education and training

### + Accessories

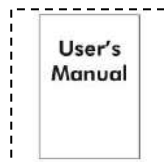
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB



Q9 Cable