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AG-S Series

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

- + Advanced DDS technology, upto 10MHz frequency output
- + 125MS/s sample rate, and 1 μ 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 μ Hz)

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

Amplitude

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

Load Impedance	50Ω (typical)
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Arbitrary Waveform

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)

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 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

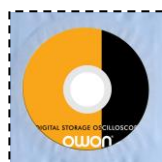
design and debug circuit function test education and training

+ Accessories

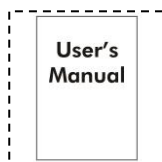
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB



Q9 Cable