

# AG Series Arbitrary Waveform Generator

# DDS

## Accessories

The accessories subject to final delivery



Power cord



CD-Rom



Manual



Q9



USB



**Test Equipment Depot**  
1-800-517-8431

99 Washington Street  
Melrose, MA 02176  
Phone 781-665-1400  
Toll Free 1-800-517-8431

Visit us at [www.TestEquipmentDepot.com](http://www.TestEquipmentDepot.com)



## Main Feature

- + Advanced DDS technology, Max 150MHz frequency output
- + Up to 400MSa/s sample rate and 32bits frequency resolution
- + Vertical Resolution : 14bits, Up to 1M Arb waveform length
- + Comprehensive waveform output : Sine, Square, Ramp, Pulse, Noise, Sinc, Exponential Rise and Decay, 32 channels digital waveform, DC and user defined arbitrary waveform
- + Comprehensive modulation function : AM, FM, PM, FSK, PWM, SWEEP, BURST
- + 3.9 inch high resolution (480×320 pixels)TFT LCD display

## Performance Specifications

Model	AG1022	AG4151
Bandwidth	25MHz	150MHz
Channels	Double	Single + Trigger
Sample Rate	125MSa/s	400MSa/s
Frequency Resolution	1 $\mu$ Hz	
Standard Waveform	Sine, Square, Pulse, Ramp, Noise	
Arbitrary Waveform	Sinc, Exponential Rise and Decay, DC, and user defined	Sinc, Exponential Rise and Decay, DC, User defined, 32 channels digital waveform (optional)
Frequency Characteristics		
Sine	1 $\mu$ Hz—25MHz	1 $\mu$ Hz—150MHz
Square	1 $\mu$ Hz—10MHz	1 $\mu$ Hz—50MHz
Pulse	1 $\mu$ Hz—10MHz	1 $\mu$ Hz—25MHz
Ramp	1 $\mu$ Hz—1MHz	1 $\mu$ Hz—1MHz
Noise	/	/
Arb	1 $\mu$ Hz—10MHz	1 $\mu$ Hz—10MHz
Arbitrary waveforms		
Wave Length	2pts to 8Kpts	2pts to 1Mpts
Sample Rate	125MSa/s	200MSa/s
Vertical Resolution	14bits	
Non-volatile Memory	4 waveforms	
Amplitude characteristics		
Amplitude	10mVPP-10VPP (50 $\Omega$ ), 20mVPP-20VPP (high impedance)	
Resolution	1mVPP or 14bits	
DC Offset Range (AD+DC)	$\pm 5V$ (50 $\Omega$ ), $\pm 10V$ (high impedance)	
DC Offset Range Resolution	1mV	
Load Impedance	50 $\Omega$ (typical)	
Modulation Characteristics		
Modulation Waveform	/	AM, FM, PM, FSK, PWM, Linear / logarithm sweep and Burst
Modulation Frequency	/	2mHz-20.00 kHz (FSK 1 $\mu$ Hz-100kHz)
Input / Output		
Display	3.9 inch (480 $\times$ 320) TFT LCD	
Type	external reference clock input/output	external modulation input/output, external trigger input/output, and external reference clock input/output
Interface	USB Host, USB Device, RS232	USB Host, USB Device, RS232, LAN

OWON continues to improve products and reserves the rights to change specifications without advance notices. For latest ones, please refer to our website