



AG-F Series - - Features and Benefits

- 4 inch high resolution (480*320 pixels) TFT LCD display
- Advanced DDS technology, max 60MHz frequency output
- Up to 250MS/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 modulations:AM,FM,PM,FSK,PWM,Sweep,Burst
- 100mHz~200MHz frequency counter integrated
- Supported SCPI



Model	AG1012F	AG1022F	AG2052F	AG2062F
Frequency Output	10MHz	25MHz	50MHz	60MHz
Sample Rate	125MS/s	125MS/s	250MS/s	250MS/s
Vertical Resolution	14 bits			
Channel	Dual			
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 1μHz)				
Sine	1μHz~10MHz	1μHz~25MHz	1μHz~50MHz	1μHz~60MHz
Square	1μHz~5MHz	1μHz~5MHz	1μHz~25MHz	1μHz~30MHz
Pulse	1μHz~5MHz	1μHz~5MHz	1μHz~10MHz	1μHz~10MHz
Ramp	1μHz~1MHz	1μHz~1MHz	1μHz~1MHz	1μHz~1MHz
Noise	25MHz (-3dB) (typical)			
Arb.	1μHz - 10MHz			
Amplitude				
Amplitude	1mVpp~10Vpp (50Ω), 1mVpp~20Vpp (high impedance)			
Resolution	1m Vpp 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	2pts~8Kpts	2pts~8Kpts	2pts~1Mpts	2pts~1Mpts
Non-volatile Memory	64M byte	64M byte	64M byte	64M byte
Modulation				
Modulation Waveform	AM,FM,PM,FSK,Sweep,Burst		AM,FM,PM,FSK,PWM,Sweep,Burst	
Modulation Frequency	2mHz~20kHz (FSK:1μHz~100kHz)		2mHz~20kHz (FSK:1μHz~100kHz)	
Frequency Counter				
Function	Frequency Period, +Width, -Width, +Duty, and -Duty			
Frequency Range	100mHz~200MHz			
Frequency Resolution	6 digits/s			
General Specification				
Display	4 inch (480 × 320 pixels) LCD			
Input/Output Type	Counter; External modulation input / output; External trigger input / output; External reference clock input / output			
Communication Interface	USB host, USB device, RS232 (option)			
Dimension (W×H×D)	235mm*110mm*295mm			
Device Weight	3kg			