



AG051F

Single-channel Arbitrary Waveform Generator

- + Advanced DDS technology, 5MHz frequency output
- + 125MS/s sample rate, and 1μHz 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

+ Performance Specifications

Model	AG051F
Channel	single + trigger
Frequency Output	5MHz
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 1μHz)	
Sine	1μHz - 5MHz
Square	1μHz - 5MHz
Pulse	1μHz - 5MHz
Ramp	1μHz - 1MHz
Noise	5MHz (-3dB) (typical)
Arb	1μHz - 5MHz

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

Load Impedance	50Ω (typical)
----------------	---------------

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
Modulation Frequency	2mHz to 20.00KHz (FSK 2mHz - 100KHz)

Input / Output	
Display	4 inch (480 x 320 pixels) LCD
Type	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