

## AG 051 & 101(-F) Single-channel Arbitrary Waveform Generator

- + Advanced DDS technology, 5MHz /10MHz 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 supported
- + 4" high resolution (480 x 320 pixels) LCD



### + Performance Specifications

Model	AG051	AG051F	AG101	AG101F
Channel	single + trigger			
Frequency Output	5MHz		10MHz	
Sample Rate	125MS/s			
Vertical Resolution	14 bits			
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			

### Waveform

Waveform	AG051	AG051F	AG101	AG101F
Sine	1μHz - 5MHz		1μHz - 10MHz	
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	1mVpp, 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

Model	AG051	AG051F	AG101	AG101F
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)

### 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

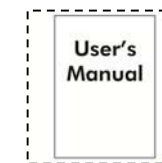
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB



Q9