



## Function/Arbitrary Waveform Generator



### Main Features:

- Apply DDS technology, double output, adjustable phase, the highest output frequency is 50MHz.
- 125MSa/s sample rate, 14bit vertical resolution, 16Kpts wave length.
- Output 5 types of standard waveform, internally installed 48 types of waveform;
- Internally installed high precision, wide frequency counter, frequency is up to 200MHz.
- Abundant modulation function, sweep-frequency output, pulse train output.
- Standard collocation connection: USB Device, USB Host, support U Disk storage and software upgrading; GPIB and LAN port are optional.
- Can connect to UQ3000 series digital oscilloscope perfectly, and support remote command control.

### Apply:

- 1、 Analog Sensor
- 2、 Real Environmental Signals
- 3、 Circuit Function Test
- 4、 IC Test
- 5、 Education



## Xi'an Unique Electronics Ltd.

### Technical parameters:

Model	UQG1005	UQG1010	UQG1020	UQG1025	UQG1050
highest frequency output	5MHz	10MHz	20MHz	25MHz	50MHz
output channels	2				
sample rate	125 MSa/s				
wave length	16 Kpts (channel one can choose 512Kpts)				
frequency resolution	1 $\mu$ Hz				
vertical resolution	14 Bit				
waveform	Sine wave, square wave, triangular wave, pulse wave, white noise, 48 types of function waveform				
Sine wave	1 $\mu$ Hz ~ 5MHz	1 $\mu$ Hz ~ 10MHz	1 $\mu$ Hz ~ 20MHz	1 $\mu$ Hz ~ 25MHz	1 $\mu$ Hz ~ 50MHz
square wave	1 $\mu$ Hz ~ 5MHz	1 $\mu$ Hz ~ 10MHz	1 $\mu$ Hz ~ 20MHz	1 $\mu$ Hz ~ 25MHz	1 $\mu$ Hz ~ 25MHz
pulse	1 $\mu$ Hz ~ 5MHz	1 $\mu$ Hz ~ 10MHz	1 $\mu$ Hz ~ 10MHz	1 $\mu$ Hz ~ 10MHz	1 $\mu$ Hz ~ 10MHz
Ramp	1 $\mu$ Hz ~ 300KHz	1 $\mu$ Hz ~ 300KHz	1 $\mu$ Hz ~ 300KHz	1 $\mu$ Hz ~ 300KHz	1 $\mu$ Hz ~ 300KHz
Gaussian white noise	5MHz bandwidth (-3dB)	10MHz bandwidth (-3dB)	20MHz bandwidth (-3dB)	25MHz bandwidth (-3dB)	50MHz bandwidth (-3dB)
wave	1 $\mu$ Hz ~ 5MHz	1 $\mu$ Hz ~ 10MHz	1 $\mu$ Hz ~ 10MHz	1 $\mu$ Hz ~ 10MHz	1 $\mu$ Hz ~ 10MHz
modulation function	AM, FM, PM, ASK, FSK, PWM etc.				
other functions	Frequency counter: frequency is up to 200MHz				
Standard configuration	USB Host & Device				
Optional port	GPIB(IEEE-488), LAN				
product classify	function/waveform generator				
size	width×height×depth = 229mm×105mm×281mm				