

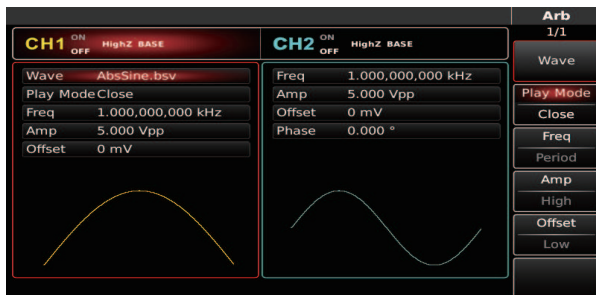
UTG4000A Series

Function/Arbitrary Waveform Generators

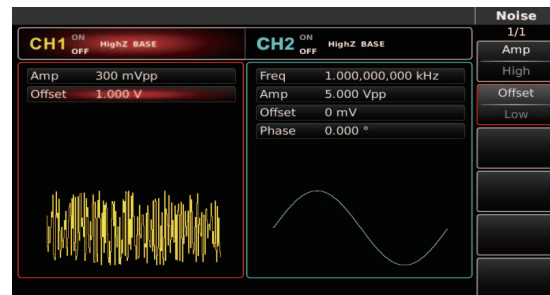


The UTG4000A Series waveform generators with multi-function design is ideal for various application scenarios. Featuring with the Function Generation, Arbitrary Waveform Generation, Pulse Generation, Harmonic Generation, Analog/Digital Modulation source, and cymometer, the UTG4000A series can handle a broad array of signal emulation applications from near DC up to 80MHz or even 160 MHz depending on model and function. The UTG4000A utilizes Direct Digital Synthesizer (DDS) technology delivers stable, precise, low distortion signals. The sleek, upright design features a high resolution 8 inch display screen, while the user-friendly interface design and panel layout improves efficiency.

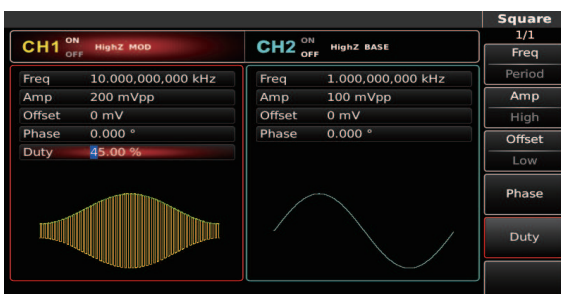
- 80MHz/120MHz/160MHz sine waveform output, 1μHz full-band resolution
- 30MHz/40MHz/50MHz pulse waveform, adjustable rise/fall time
- 500MSa/s sampling rate, 16 bits vertical resolution
- Standard dual channels, supporting stand-alone or channel-coupling output mode
- 32Mpts arbitrary waveform depth, 7GB non-volatile arbitrary waveforms
- Versatile modulation options: AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, QSK, PWM, SUM, QAM
- Frequency cymometer range: 100mHz~800MHz
- 8 inch TFT LCD,WVGA (800×480)
- Standard Ports: USB Host, USB Device, LAN, 10MHz Input, 10MHz Output, Frequency Counter, FSK Trig, Modulation In



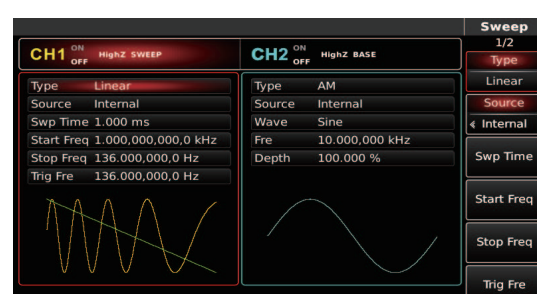
- Built-in arbitrary waveform available at any time



- Noise modes

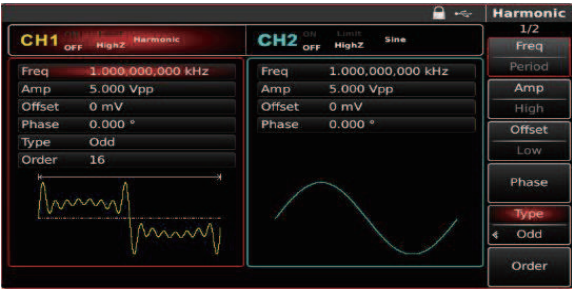


- Rich modulation functions



- Linear and logarithmic sweep waveform

■ WAVEFORM GENERATORS



●Customize harmonic generation function



●Special digital interface (optional)

Key Specifications	UTG4082A	UTG4122A	UTG4162A
Max. frequency	80MHz	120MHz	160MHz
Channels	2		
Sampling rate	500MSa/s		
Waveforms	Sine,square,ramp,harmonic,pulse,noise,DC voltage,arbitrary		
Working modes	Continuous, modulation, sweep, burst		
Modulation types	AM,FM,PM,ASK,FSK,PSK,BPSK,QPSK,OSK,PWM,SUM,QAM		
Frequency Characteristics			
Sine	1μHz-80MHz	1μHz-120MHz	1μHz-160MHz
Square/Pulse	1μHz-30MHz	1μHz-40MHz	1μHz-50MHz
Ramp	1μHz-2MHz	1μHz-3MHz	1μHz-4MHz
Harmonic	1μHz-40MHz	1μHz-60MHz	1μHz-80MHz
Noise(-3dB)	80MHz	120MHz	160MHz
Resolution	1μHz		
Arbitrary Waveform			
Frequency range	1μHz-20MHz	1μHz-30MHz	1μHz-40MHz
Memory depth	8pts~32Mpts		
Vertical resolution	16bits		
Min rise/fall time(typical: 1Vpp)	<7ns	<6ns	<5ns
Power	100V~240V AC, 50Hz/60Hz		
Display	8 inch TFT LCD, WVGA(800 x 480)		
Product net weight	3.5kg		
Product size(W×H×D)	336mm x 164mm x 108mm		
Standard quantity per carton	1pc		
Standard carton size	405mm x 225mm x 265mm		
Standard carton gross weight	4.8kg		

Ordering Information	
UTG4000A Series	UTG4162A: 160MHz, 500MSa/s, 32Mpts, 2-Channel
	UTG4122A: 120MHz, 500MSa/s, 32Mpts, 2-Channel
	UTG4082A: 80MHz, 500MSa/s, 32Mpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	BNC cables(1M): 1 pair
Optional Accessories	UT-U02: digital cable

L'IMPULSION

électronique

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