

# Selection Guide

Series	Model	Channels	Sampling rate	MAX Frequency											
				600	500	350	160	120	80	60	30	25			
UTG9000T	UTG9604T	4	2.5GSa/s	●											
	UTG9504T	4	2.5GSa/s		●										
	UTG9354T	4	2.5GSa/s			●									
UTG4000A	UTG4162A	2	500MSa/s				●								
	UTG4122A	2	500MSa/s					●							
	UTG4082A	2	500MSa/s						●						
UTG2000A/B	UTG2122B	2	1.28GSa/s					●							
	UTG2082B	2	1.28GSa/s						●						
	UTG2062B	2	1.28GSa/s							●					
	UTG2025A	2	125MSa/s											●	
UTG900E	UTG962E	2	200MSa/s								●				
	UTG932E	2	200MSa/s									●			

## UTG9000T Series Function/Arbitrary Waveform Generators

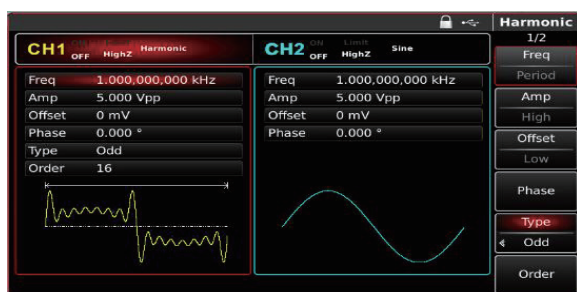


● UTG9604T

The UTG9000T Series pulse/function/arbitrary waveform generators with Direct Digital Synthesizer (DDS) technology generate accurate and stable waveform output with 600MHz bandwidth, maximum sampling rate of 2.5GSa/s and as low as 1μHz resolution. Accurate, stable, pure and low-distorted signal, simple operation, technical superiority and high-frequency square wave with rapid rising/falling edge can be also provided. These multi-functional instruments with various functions meet your requirements.

- 4 channels output
- Output: 600MHz sine wave, full-band resolution: 1μHz
- 200MHz pulse waveform with adjustable rise and fall time
- Sampling rate: 2.5GSa/s, vertical resolution: 16bits
- Arbitrary wave memory depth of 64Mpts, supports point-to-point output.
- Supports one-click SNR output.
- Frequency sweep modes: linear, logarithmic, list, stepping
- Modulation types: AM, PM, FM, DSBAM, ASK, PSK, BPSK, QPSK, FSK, 3FSK, 4FSK, QAM, OSK, PWM, SUM
- 10.1 inch capacitive touchscreen with 1280\*800 resolution
- Digital protocol output: SPI, I2C, UART
- Standard interfaces: USB Host, USB Device, LAN

# 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