

# 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

Key Specifications	UTG2025A	UTG2062B	UTG2082B	UTG2122B
Max. frequency	25 MHz	60MHz	80 MHz	120MHz
Channels	2			
Sampling rate	125MSa/s	1.28GSa/s(4×Interpolation)		
Waveforms	Sine, square, ramp, pulse, noise, DC, arbitrary; UTG2000B only: harmonic			
Working modes	Continuous, modulation, sweep, burst			
Modulation types	AM, FM, PM, ASK, FSK, PSK, PWM	AM, FM, PM, ASK, FSK, PSK, PWM, BPSK, QPSK, OSK, DSB-AM, SUM, QAM		
Arbitrary Waveform				
Memory depth	8pts~8kpts	8pts~16Mpts		
Vertical resolution	14bits	16bits(symbol included)		
Frequency Characteristics				
Sine	1μHz~25MHz	1μHz~60MHz	1μHz~80MHz	1μHz~120MHz
Square	1μHz~5MHz	1μHz~25MHz	1μHz~25MHz	1μHz~30MHz
Pulse	1μHz~5MHz	1μHz~20MHz	1μHz~25MHz	1μHz~30MHz
Ramp	1μHz~400kHz	1μHz~3MHz	1μHz~4MHz	1μHz~5MHz
Harmonic		1μHz~30MHz	1μHz~40MHz	1μHz~60MHz
Arbitrary	1μHz~5MHz	1μHz~15MHz	1μHz~20MHz	1μHz~25MHz
Noise	25MHz(-3dB)	60MHz(-3dB)	80MHz(-3dB)	120MHz(-3dB)
Resolution	1μHz			
Accuracy	±0.5ppm 25°C			
	First year aging rate: 1ppm			
	Temperature coefficient: ±0.5ppm/°C			
Temperature Coefficient	<2ppm/°C			
Interfaces	USB Host, USB Device, 10MHz clock source input/output, External analog modulation input			
Power	100V~240V AC, 50Hz/60Hz			
Display	4.3 inch TFT LCD, WVGA (480 x 272)			
Product net weight	3.2kg			
Product size	265mm x 110mm x 320mm			
Standard quantity per carton	2pcs			
Standard carton size	380mm x 330mm x 320mm			
Standard carton gross weight	8.5kg			

Ordering Information	
UTG2000A/B Series	UTG2122B:120MHz, 1.28GSa/s, 16Mpts, 2-Channel
	UTG2082B:80MHz, 1.28GSa/s, 16Mpts, 2-Channel
	UTG2062B:60MHz, 1.28GSa/s, 16Mpts, 2-Channel
	UTG2025A:25MHz, 125MSa/s, 8Kpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14:USB interface cable
	BNC cables:1pc,BNC to alligator clip line(1m):1pc