

Data Sheet

UTG2000X Series Function/Arbitrary Waveform Generator

V1.0

2024.3

Product Features

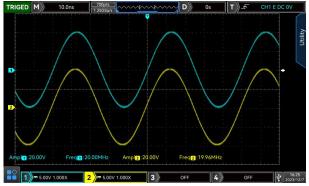
- Dual channel with the maximum frequency output 120 MHz, the maximum output amplitude 20 Vpp
- 625 MSa/s sample rate and 16-bit vertical resolution
- Multiple analog and digital modulation function: AM, PM, FM, DSB-AM, ASK, PSK, BPSK, QPSK, FSK, 3FSK, 4FSK, QAM, OSK, PWM, SUM
- Square wave with the maximum frequency 50 MHz, low jitter
- Wide dynamic and high-precision pulse wave with adjustable edge time, which can achieve fine edge time adjustment and has extremely high adjustment resolution and range
- Excellent performance with low harmonic distortion
- Supports sweep frequency and burst output
- Low jitter waveform can be outputted point by point within the range of arbitrary waveform length from 8 pts to 64 Mpts
- Supports channel copying, following, and stacking settings
- Can generate arbitrary waveform through arbitrary waveform editor on the upper computer
- 7-bit hard frequency counter
- Built-in 200 arbitrary waves

- Standard USB Host, USB Device, and LAN interface
- Support SCPI (programmable instrument standard commands)
- 4.3 inch TFT LCD capacitive touch display screen

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Design Features

Equivalent performance of double channel output



Large output under the high frequency: double channel with full amplitude output of 20 Vpp can be output under the frequency of 20 MHz.

Low Jitter

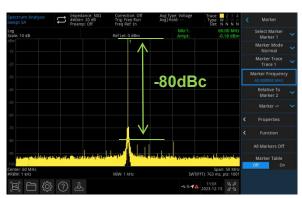


The excellent digital sampling technology makes the output waveform jitter much lower.

Low Distortion Output

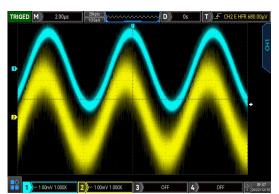


Outstanding harmonic distortion



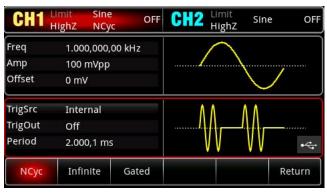
-80dBc spurious free dynamic range

High SNR



A small signal superimposed with a large DC results in a lower output noise and a higher SNR.

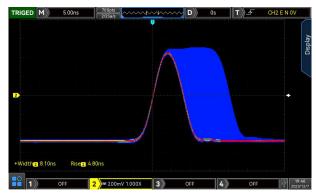
Burst



Three types of bursts: "N cycle", "Infinite" and "Gate". Three trigger sources: "Internal", "External" and "Manual".

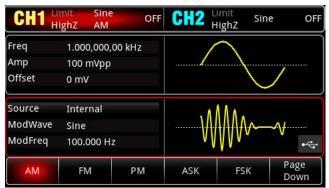
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Pulse Wave and Edge Time



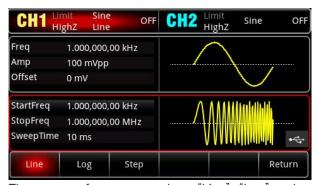
The new generation of wide dynamic high precision edge time adjustable pulse wave has a minimum pulse width of 8 ns. The pulse width can be fine adjusted and the minimum step is 100 ps. In addition, it can produce higher harmonic component, which has the feature of a dedicated pulse generator. The edge time can be set to a minimum of 5 ns independently.

Multiple Modulation Function



Modulation output (15 types): AM, FM, PM, DSB-AM, ASK, FSK, PSK, 3FSK, 4FSK, BPSK, QPSK, OSK, SUM, QAM and PWM.

Sweep Frequency



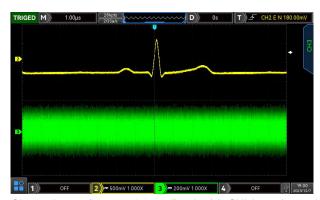
Three sweep frequency modes: "Line", "Log" and "Step". Three trigger sources: "Internal", "External" and "Manual".

Frequency Counter

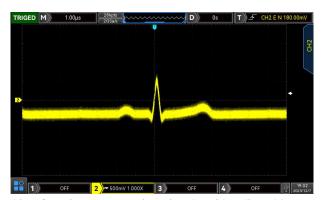


The high precision hardware frequency counter can measure the frequency range of 100 mHz~200 MHz.

Channel Merge



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Channel merging can be realized with SUM or channel stacking functions, generating signals with adjustable signal-to-noise ratios and dual-tone multi-frequency signals. Up to four signals can be summed and coupled on two channels, and SUM enables the output of two-tone or multi-tone signals.

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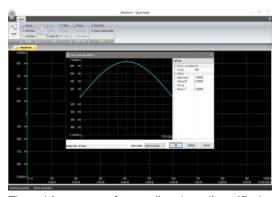
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Channel Tracking



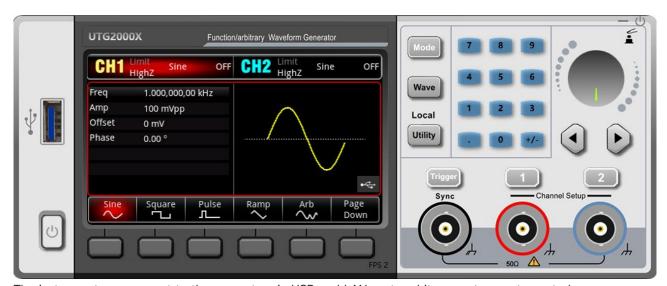
Channel tracking simplifies the operation of dual channels. The phase, amplitude and frequency of both channels can be controlled by a single parameter, making it easy to create deviation or tracking signals.

Arbitrary Waveform Editor



The arbitrary waveform editor has diversified generating method. The arbitrary waveform can be generated by insert the standard waveform or freely drawing.

Remote Control



The instrument can connect to the computer via USB and LAN port and it supports remote control.

The user can use the control software for remote operation and control, and realize automatic testing and remote monitoring.

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4.3 inch Capacitive Touch Screen



4.3-inch high-definition display, touch operation, so that the instrument control faster and more convenient.

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Definition and Condition

- "Technical Index" provide a detailed description of the performance of the parameters which involved in the product warranty. Unless otherwise specified, these specifications are applicable to the temperature range from 18 °C to 28 °C.
- "Typical Value" refers to other product performance information which not covered in the product warranty. When the performance exceeds the technical index, 80% of the units can exhibit 95% confidence in the temperature range of 18 °C to 28 °C. Typical performance does not include uncertainty of measurement.
- "Nominal Value" means the expected performance or describes the performance of the product that is useful in the application of the product but is not included in the scope of the product warranty.
- Under the following conditions, it can achieve its technical indicators: In the calibration cycle and has been warmed up for at least 30 minutes. If the device is stored in an environment that is within the allowable storage temperature range but exceed the allowable operating temperature range, the instrument must be placed within the allowable operating temperature range for at least two hours

Basic Waveform Characteristics

All analog channel output related specifications is suitable for channel 1 and channel 2

Basic characteristics			
Model	UTG2062X	UTG2082X	UTG2122X
Channel	Dual channel		
Sampling rate	625 MSa/s (1.25 GSa	a/s, 2 x interpolation)	
Vertical resolution	16-bit		
Working modes	Continuous, Modulatio	on, Frequency sweep	, Burst, Counter
Wave	Sine, Square, Ramp, Pulse, Noise, DC, Arb, Harmonic, PRBS, Expression		
Modulation	AM, FM, PM, DSB-AN	1, ASK, FSK, PSK, 3F	FSK, 4FSK, BPSK, QPSK, OSK,
	SUM, QAM, PWM		
Frequency sweep	Lin, Log, Step		
Burst	N-cycle, Gated, Infinite		
Counter	100 mHz ~ 200 MHz, 7 digits		
LCD	4.3 inch TFT LCD capacitive touch display screen, WVGA (480×272)		

Frequency characteristic

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Sine wave	1 µHz ~ 60 MHz	1 µHz ~ 80 MHz	1 μHz ~ 120 MHz
Square wave	1 μHz ~ 30 MHz	1 μHz ~ 40 MHz	1 μHz ~ 50 MHz
pulse wave	1 μHz ~ 30 MHz	1 µHz ~ 40 MHz	1 μHz ~ 50 MHz
Ramp wave	1 μHz ~ 3 MHz	1 µHz ~ 4 MHz	1 μHz ~ 5 MHz
Arbitrary wave	1 μHz ~ 30 MHz	1 µHz ~ 40 MHz	1 μHz ~ 50 MHz
Harmonic	1 μHz ~ 30 MHz	1 µHz ~ 40 MHz	1 μHz ~ 50 MHz
Expression	1 μHz ~ 15 MHz	1 µHz ~ 20 MHz	1 µHz ~ 25 MHz
PRBS	1 μbps ~ 30 Mbps	1 µbps ~ 40 Mbps	1 µbps ~ 50 Mbps
Gauss noise	1 MHz ~ 60 MHz	1 MHz ~ 80 MHz	1 MHz ~ 120 MHz
Resolution	1 μHz		
	Frequency:10.0000 MHz	7	
D ()	Initial accuracy:±0.5 ppr	m, 25°C	
Reference frequency	Temperature stability:±0	0.5 ppm, 0°C ~ 40°C	
	Annual aging rate:±1 pp	m, First year aging rate	
Sine wave			
Frequency	1 μHz ~ 60 MHz	1 µHz ~ 80 MHz	1 µHz ~ 120 MHz
	Typical value (0dBm)	DC ~ 1 MHz: -70dBc	
		1 MHz ~ 10 MHz: -65dBd	2
Harmonic distortion		10 MHz ~ 40 MHz: -60d	Вс
		40 MHz ~ 80 MHz: -55c	IBc
		80 MHz ~ 120 MHz: -50	dBc
THD	< 0.07% (DC ~ 20 kHz, 1 Vpp)		
Spurious signal	T (O. dD)	≤10 MHz ,< -70 dBc	
(anharmonic)	Typical value (0 dBm)	>10 MHz ,<-70 dBc+6	dB/octave
Phase noise(typical)	1 0 MHz: ≤-125 dBc/Hz	(typical, 0 dBm, 10 kHz d	leviation)
Square wave			
Frequency	1 µHz ~ 30 MHz	1 µHz ~ 40 MHz	1 μHz ~ 50 MHz
Rise/fall time (1 Vpp, 50Ω)	<7ns (typical, 1 kHz)	<6ns (typical, 1 kHz)	<5ns (typical, 1 kHz)
Overshoot			
(100kHz, 1 Vpp, 50	< 2% (typical, 50 Ω)		
Ω)			
Duty ratio	0.001% ~ 99.999% (limit	ed by current frequency)	
Symmetry (duty ratio=50%)	1% of period + 4 ns		
Jitter(RMS) (1 Vpp ,	Typical (1 MHz,	≤ 5 MHz:2ppm + 200ps	3
	-		

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50 Ω)	1 Vpp, 50 Ω)	> 5 MHz:200ps	
Ramp wave			
Frequency	1 µHz ~ 3 MHz	1 µHz ~ 4 MHz	1 μHz ~ 5 MHz
Non-linearity	< 1% of peak output (t	ypical value, 1 kHz, 1 Vp	p, symmetry 100%)
Symmetry	0.0% ~ 100.0%		
Pulse wave			
Frequency	1 μHz ~ 30 MHz	1 μHz ~ 40 MHz	1 µHz ~ 50 MHz
Minimum pulse width	8ns		
Variable edge	7ns ~ 10s	6ns ~ 10s	5ns ~ 10s
Duty ratio	0.001% ~ 99.999% (lim	ited by current frequenc	cy)
Overshoot	< 2% (typical, 1 Vpp 5	50 Ω)	
Jitter	150 ps		
Arbitrary wave			
Frequency (DDS)	1 μHz ~ 30 MHz	1 μHz ~ 40 MHz	1 μHz ~ 50 MHz
	DDS	8 kpts (Regular)	
Wave length	Point by point	8 pts ~ 32 Mpts (Up t	to 64 Mpts for single
	Tome by point	channel output)	
Vertical resolution	16-bit (symbol included)		
Sampling rage	DDS	625 MSa/s (DDS)	
	Point by point	1 μSa/s ~ 312.5 MSa/s	S
Minimum rise/fall time	<5ns (typical, 1 Vpp, 5	0 Ω)	
Jitter (playback mode)	150ps		
Nonvolatile storage	200 waves		
PRBS			
bit rate	1 μbps ~ 30 Mbps	1 μbps ~ 40 Mbps	1 µbps ~ 50 Mbps
Edge time	7ns ~ 1000s	6ns ~ 1000s	5ns ~ 1000s
Symbol	PN3, PN5, PN7, PN9, PN27, PN29, PN31	PN11, PN13, PN15, PN17,	, PN19, PN21, PN23, PN25,
Expression proper	ties		
Frequency	1 μHz ~ 15 MHz	1 µHz ~ 20 MHz	1 μHz ~ 25 MHz
Function	Sin, cos, tan, sinc, abs, floor,lg,cosh	, ln, sqrt, acos, asin, atan	n, sinh, tanh, ceil, exp, fabs,
Operation	+ , - , * , / , ^		
Variable value	°, rad		

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Harmonic			
Frequency	1 μHz ~ 30 MHz	1 µHz ~ 40 MHz	1 μHz ~ 50 MHz
Harmonic order	2 ~ 16		
Туре	Odd, Even, All, User De	fined	
Amarikanda	1mV ~ 10 Vpp (50 Ω)		
Amplitude	Set the amplitude based on the selected harmonic sequence number		
Phase	-360° ~ 360°		
	Set the phase based on	the selected harmonic s	equence number

Output Characteristic

Output			
Amplitude (50 Ω)	≤20 MHz:1 mVpp ~ 10 Vpp		
	≤60 MHz:1 mVpp ~ 5 Vpp		
	≤120 MHz:1 mVpp ~ 2 Vp	p q	
A 11 / 11 /	≤20 MHz:2 mVpp ~ 20 Vpp		
Amplitude (High resistance)	≤60 MHz:2 mVpp ~ 10 V	op	
resistance)	≤120 MHz:2 mVpp ~ 4 Vp	pp	
Accuracy	Typical value(1kHz, sine wave, 0V, deviation, > 10 mVpp)	± (1% of set value+1 mVpp)	
	Typical value (1kHz, sine wave, 1 Vpp)	≤60 MHz:±0.2dB	
Amplitude flatness		≤80 MHz:±0.4dB	
		≤120 MHz:±0.6dB	
DC offset			
Pangalnoak AC+DC)	±5 V (50 Ω)		
Range(peak AC+DC)	±10 V (High resistance)		
Accuracy of offset	Offset set value ±1% ± amplitude set value 0.5%±2mV		
Waveform output			
Impedance	50 Ω typical value		
Protection	Overvoltage protection, overload automatically disabling waveform		
	outpu		

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Modulation Types

 Model	UTG2062X UTG2082X UTG2122X
AM	01G2062A 01G2082A 01G21Z2A
	Cincinnation and a state of the
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave, pulse wave
Source	Internal/External
Modulation wave	Sine wave, square wave, ramp wave, noise, arbitrary wave
Modulation depth	0% ~ 120%
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
FM	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave, pulse wave
Source	Internal/External
Modulation wave	Sine wave, square wave, ramp wave, noise, arbitrary wave
Frequency deviation	DC ~ 30 MHz DC ~ 40 MHz DC ~ 60 MHz
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
PM	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave
Source	Internal/External
Modulation wave	Sine wave, square wave, ramp wave, noise, arbitrary wave
Phase deviation	0 ~ 360°
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
DSB-AM	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave, pulse wave
Source	Internal/External
Modulation wave	Sine wave, square wave, ramp wave, noise, arbitrary wave
Modulation depth	0% ~ 100%
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
ASK	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave, pulse wave
Source	Internal/external
Modulation wave	Square wave (Duty ratio 50%)
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
FSK	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave, pulse wave
Source	Internal/external
Modulation wave	Square wave (Duty ratio 50%)
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Hopping frequency	Carrier Frequency
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
PSK	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave
Source	Internal/external
Modulation wave	Square wave (Duty ratio 50%)
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
Phase	-360° ~ 360°
3FSK	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave, pulse wave
Source	Internal
Modulation wave	Square wave (Duty ratio 50%)
Hopping frequency	Carrier Frequency
Modulation frequency	2 mHz ~ 1 MHz(The modulation source is internal)
4FSK	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave, pulse wave
Source	Internal
Modulation wave	Square wave (Duty ratio 50%)
Hopping frequency	Carrier Frequency
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
BPSK	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave
Source	Internal
Symbol	PN3, PN5, PN7, PN9, PN11, PN13, PN15, PN17, PN21, PN23, PN25, PN27, PN29, PN31
Symbol bit rate	2 mbps ~ 1 Mbps (The modulation source is internal)
Phase	-360° ~ 360°
QPSK	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave
Source	Internal
Symbol	PN3, PN5, PN7, PN9, PN11, PN13, PN15, PN17, PN21, PN23, PN25, PN27, PN29, PN31
Symbol bit rate	2 mbps ~ 1 Mbps (The modulation source is internal)
Phase	-360° ~ 360°
OSK	
Carrier wave	Sine wave
-	

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Source	Internal/external
Oscillation time	5ns ~ 250s
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
SUM	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave, pulse wave,
	harmonics, noise
Source	Internal/External
Modulation wave	Sine wave, square wave, ramp wave, noise, arbitrary wave
Modulation depth	0% ~ 100%
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
QAM	
Carrier wave	Sine wave
Constellation mapping	QAM4, QAM8, QAM16, QAM32, QAM64, QAM128, QAM256
Symbol	PN3, PN5, PN7, PN9, PN11, PN13, PN15, PN17, PN21, PN23, PN25,
Symbol	PN27, PN29, PN31
Symbol bit rate	2 mbps ~ 1 Mbps
PWM	
Carrier wave	Pulse
Source	Internal/external
Modulation wave	Sine wave, square wave, ramp wave, noise, arbitrary wave
PWM range	0% ~ 49.99%
Modulation frequency	2 mHz ~ 1 MHz (The modulation source is internal)
	2 mile mile (me modulation source is internat,

Sweep

Frequency sweep	
Carrier wave	Sine wave, square wave, ramp wave, arbitrary wave, pulse wave
Туре	Linear, Logarithmic, Stepwise
Trigger Source	Internal, external, manual
Trigger Edge	Rising edge, falling edge
Trigger Output	On, off
Frequency sweep time	1ms ~ 500s ± 0.1% (Lin, Log)
Residence time	1ms ~ 500s ± 0.1% (step)
Step number	2 ~ 2048 step

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Burst

Burst	
Waveform	Sine wave, square wave, ramp wave, pulse, arbitrary wave
Mode of pulse train	N cycle, infinite, gated
Initial and stop phase	-360° ~ 360°
Source	Manual, external, internal
Trigger edge	Rising edge/falling edge
Trigger Output	On, off
Internal cycle	1us ~ 500s ± 0.1%
Recurring number	1~50000
Polarity	Positive and negative (TTL level input)

Auxiliary functions

Channel settings	
Channel output	On, off
Channel reverse	On, off
Synchronous output	CH1, CH2, Off
Load	50 Ω , 75 Ω , HighZ, Custom (1 Ω ~ 999999 Ω)
Amplitude limitation	On, off
Upper limit of amplitude	-9.998V ~ 10V (HighZ)
Lower limit of amplitude	-10V ~ 9.998V (HighZ)
Channel replication	
Channel 1 replication	CH1→CH2
Channel 2 replication	CH2→CH1
Channel Follow	
Follow type	Parameter following, channel tracking
Parameter Follow	Frequency following, amplitude following, phase following
Follow type	Deviation, Ratio
Channel stacking	
Channel 1 overlay	On, off
Channel 2 overlay	On, off
System settings	
Language	English, Chinese, Deutsch
Phase synchronization	Independent, synchronized

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Voice	On, off
Number separator	Comma, space, none
Backlight	10%, 30%, 50%, 70%, 90%, 100%
Screen saver	Off, 5 minutes, 15 minutes, 30 minutes, 1 hour
Frequency meter	
Measurement frequency	100 mHz ~ 200 MHz
range	100 MHz ** 200 MHz
Input Level Range	TTL compatibility
Measurement accuracy	7 digits

Interface and Display

Interface			
Standard configuration	USB Host, USB Device, LAN		
Synchronous signal outpu	t		
Output level	TTL compatible		
Frequency	1 μHz ~ 10 MHz		
Output Impedance	50 Ω (Typical)		
Coupling method	DC		
External modulation input			
Input frequency	<50 KHz		
Depth	±5 Vpk=100%		
Impedance	5k $Ω$ (Typical)		
External reference input			
Input frequency	10 MHz ± 50Hz		
Input level	TTL compatible		
Impedance	10k Ω (Typical value, DC coupling)		
Lock time	<1s		
Internal reference output			
Input frequency	10 MHz		
Input level	TTL compatible		
Impedance	50 Ω (Typical value, DC coupling)		
Trigger Input			
Input level	TTL compatible		
Slope	Rising or falling		
Pulse width	>100ns		

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Impedance	10k Ω (Typical value, DC coupling)		
Response time	<1us (Typical value)		
Trigger Output			
Input level	TTL compatible		
Pulse width	> 400ns (Typical value)		
Impedance	50 Ω (Typical value)		
Display screen			
Display Type	4.3 inches TFT LCD Capacitive Touch Screen		
Display resolution	WVGA(480×272)		

General Technical Specifications

Specifications			
Supply voltage	100 ~ 240 VAC (Fluctuations: ±10%), 50 Hz/60Hz;		
	100 ~ 120 VAC (Fluctuations: ±10%), 400 Hz		
Power consumption	<50 W		
Fuse	2.5 A, Class T, 250 V		
Environment			
Temperature range	Operation: +10 °C ~ +40 °C		
	Non operational: -20 °C ~ +60 °C		
Cooling method	Natural cooling		
I I i alib	+35 °C Below: ≤90% relative humidity		
Humidity range	+35 °C ~ +40 °C: ≤60% relative humidity		
Altitude	Operating below 2, 000 m		
	Non-operating below 15, 000 m		
Class of pollution	2		
Operating environment	indoor		
Mechanical specification	ns		
Dimensions	215mm×103mm×316mm (Width x Height x Length)		
Net weight	2.5 kg		
Calibration cycle	The recommended calibration circle is one year		
Regulatory standards			
	Compliance with EMC directives (2014/30/EU), Conform to or better		
EMC	than IEC 61326-1:2021/EN61326-1:2021, IEC		
	61326-2-1:2021/EN61326-2-1:2021		
Conductive disturbance	CISPR 11/EN 55011 CLASS B group 1, 150kHz-30 MHz		

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Radiation disturbance	CISPR 11/EN 55011	CLASS B group 1, 30 MHz-1GHz		
Electrostatic discharge	IEC 61000-4-2/EN	4.0 kV (Contact), 8.0 kV (air)		
(ESD)	61000-4-2			
Radio frequency	IEC 61000-4-3/EN 61000-4-3	0 V/m (80 MHz to 1 GHz);		
electromagnetic field		3 V/m (1.4 GHz to 2 GHz);		
immunity		1 V/m (2.0 GHz to 2.7 GHz)		
Electrical fast transient	IEC 61000-4-4/EN	2 kV (AC input port)		
burst (EFT)	61000-4-4	2 KV (AC IIIput port)		
Curao	IEC 61000-4-5/EN	1 kV (Live line to zero line)		
Surge	61000-4-5	2 kV (Fire/zero line to ground)		
Immunity to RF continuous	IEC 61000-4-6/EN	7 V 0.1F 00 MH-		
conduction	61000-4-6	3 V, 0.15-80 MHz		
		Voltage dip:		
		0% UT during 1 cycle;		
Voltage dips and short	IEC 61000-4-11/EN	40% UT during 10/12 cycles;		
interruptions	61000-4-11	70% UT during 25/30 cycles		
		Short Interruption:0% UT during		
		250/300 cycles		
Safety regulations				
	EN 61010-1:2010+A1:2019			
	EN IEC61010-2-030:2021+A11:2021			
	BS EN61010-1:2010+A1:2019			
	BS EN IEC61010-2-030:2021+A11:2021			
	UL 61010-1:2012 Ed.3+ R:19 Jul2019			
	UL 61010-2-030:2018 Ed.2			
	CSA C22.2#61010-1:2012 Ed.3+U1;U2;A1			
	CSA C22.2#61010-2-030:2018 Ed.2			

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Ordering Information

	Description	Order No.
	Maximum output frequency 60 MHz	UTG2062X
Models	Maximum output frequency 80 MHz	UTG2082X
	Maximum output frequency 120 MHz	UTG2122X
	Power cord x 1	
	USB cable x 1	UT-D14
Standard accessories	BNC-BNC x 1	UT-L45
	BNCred and black alligator clip cable x1	UT-L02A
Recommended options	10 W Power amplifier option	UT-M14

Remarks: All mainframe, accessories, optional can order from the local UNI-T distributor.

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Warranty and Service

UNI-T Technical Support Hotline: 400-876-7822

If the instrument is under warranty or is covered by a maintenance contract, it will be repaired under the terms of warranty as below. If the instrument is no longer under warranty, UNI-T will notify you of the cost of repair after examining the instrument.

This instrument provide 3- years warranty for mainframes and 1-year warranty for accessories as standard.

The above warranty applies to all UNI-TREND test measurement instrument products procured through the UNI-TREND authorized distributors. Product purchased from outside the UNI-TREND instruments network will be serviced by the selling agents and not UNI-TREND TECHNOLOGY. Please Go to UNI-T official website ->instruments->support->Where to buy to find the authorized test and measurement instrument distributors.

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