

UTG9020D


[Enlarge](#)
[Download Manual](#)
[Download Software](#)

DDS Universal Waveform Generators

SPECIFICATIONS

Feature	UTG9020D
Waveforms	
Standard Waveforms	Sine, Square, Triangle, Ramp up, Ramp down, Random Noise, SIN (X) / X, Exponential Rise, Exponential Fall, Pulse. Expand up to 36 types of waveform
Arbitrary Waveforms	
Arbitrary Waveform Length	32768 bits
Memory Size	4 x 32k
Vertical Resolution	14 bits
Sample Rate	100 MSa/s
Amplitude Characteristics	
Range (no load)	from 1mVp-p to 20Vp-p
Accuracy	± 5% (Sine at 1kHz)
Resolution	0.01mV
Frequency Characteristics	
Range of Sine	from 1μHz to 20MHz
Range of Square	from 1μHz to 5MHz
Range of Other Waveforms	from 1μHz to 1MHz
Stability	50ppm (from -10°C to 40°C)
Resolution	0.1μHz or 8 digit
Accuracy	0.1μHz (<100Hz), 0.4Hz (>100Hz)
Signal Characteristics	
Harmonic Distortion of Sine	<20kHz: -60dBc, 20kHz to 1MHz: -50dBc, 1MHz to 10MHz: -40dBc, 10MHz to 20MHz: -30dBc
Square, Pulse	
Rise/Fall Time	<20ns
Overshoot	<5%
Asymmetry	1% + 20ns
Duty Cycle of Pulse	0.1% to 99.9%
Linearity of Triangle, Ramp	<1%
Modulation Characteristics	
Modulation Mode	Linear sweep (LIN SWP), logarithmic sweep (LOG SWP), FDK, PSK, ASK, BURST, INF FM, INT PM, INT AM, and external AM (EXT AM)
Output Characteristics	
Output A (Main Output)	
Output Impedance	50Ω
DC Offset	from -100% to 100% Vpeak
Output B	
Waveform	All internal waveform
Amplitude	200mVp-p to 20Vp-p (no load)
Output Impedance	600Ω
Frequency Range	0.1Hz to 20kHz
Frequency Counter	Frequency Range: 1Hz to 100MHz, Amplitude Range: 100mV to 5V
RS-232 Interface	9600Baud, N, 8, 1

GENERAL CHARACTERISTICS

Power	AC 220V / 50Hz
Product Color	Red and Grey
Product Net Weight	3kgs
Product Size	320mm x 240mm x 100mm
Standard Accessories	BNC to BNC Cable, Power Cord, English Manual
Standard Individual Packing	Gift Box

Standard Quantity Per Carton	6 pcs
Standard Carton Measurement	660 x 410 x 600mm (0.16 CBM Per Export Carton)
Standard Carton Gross Weight	21kg

*Available at Extra Cost

Specifications and other information are subject to change without further notice.

[Back to main menu](#)