

**UTG9005D**
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**DDS Universal Waveform Generators****SPECIFICATIONS**

Feature	UTG9005D
<b>Waveforms</b>	
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
<b>Arbitrary Waveforms</b>	
Arbitrary Waveform Length	32768 bits
Memory Size	4 x 32k
Vertical Resolution	14 bits
Sample Rate	100 MSa/s
<b>Amplitude Characteristics</b>	
Range (no load)	from 1mVp-p to 20Vp-p
Accuracy	± 5% (Sine at 1kHz)
Resolution	0.01mV
<b>Frequency Characteristics</b>	
Range of Sine	from 1μHz to 5MHz
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)
<b>Signal Characteristics</b>	
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%
<b>Modulation Characteristics</b>	
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)
<b>Output Characteristics</b>	
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

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

\*Available at Extra Cost

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

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