

DDS Function Generator Protek GD-0020

Protek
TECHNOLOGY AND EQUIPMENT

Features

- Direct digital synthetic technology and abundant programmable logic components with high integration and good reliability
- Built-in SCM digital control, rolling menu indication
- Back light LCD with abundant information
- Operation keypad combined hand wheel, full digital control
- RS-232C interface with PC has the whole set of dictate collection
- 9 function wave, high resolution
- Linearity/log sweep, FSK, ASK, PSK, AM, FM, PM



Specifications

MODEL	GD-0005	GD-0010	GD-0020	
Waveform	Sine, Square, Triangle, Rising ramp, Falling ramp, Noise, SIN(x)/x, Rising index, Falling index			
Frequency	Sine	1mHz to 5MHz	1mHz to 10MHz	
	Square	1mHz to 5MHz	1mHz to 20MHz	
	Others		1mHz to 10kHz	
	Resolution		8 digits display	
Signal	Stability		50ppm	
	Square rising/ falling time		≤ 20ns	
	Square overshoot		≤ 5%	
	Dissymmetry(1kHz)		< 2%	
	Duty modulus	20% to 80%: ≤ 100kHz; 30% to 70%: 100kHz to 1MHz		
	Triangle, ramp linearity (1kHz)		Better than 1%	
Output	Amplitude(50Ω)		1mVpp to 10Vpp	
	Attenuation error(1kHz)		Better than 5%	
	Freq. response@1Vpp, 1kHz)		Better than 5%	
	Offset ratio (within 5Vpp)		-100% to 100%	
	Impedance		50Ω	
	Setting resolution		3 digits	
Sweep	Type		Linearity / logarithm	
	Direction		Positive / negative	
	Early/ final freq.	0.1Hz to 5MHz	0.1Hz to 10MHz	0.1Hz to 20MHz
	Time		10ms to 40s	
AM	Waveform modulation		Any inner waveform	
	Freq. modulation		100mHz to 20kHz	
	AM depth		0% to 120%	
FM	Source		Inner / external	
	Waveform modulation		Any inner function waveform	
	Freq. modulation		100mHz to 20kHz	
PM	Freq. offset	0.1Hz to 5MHz	0.1Hz to 10MHz	0.1Hz to 20MHz
	Source		Inner	
	Waveform modulation		Any inner function waveform	
PM	Freq. modulation		100mHz to 20kHz	
	Phase offset		-360° to 360° ; resolution: 11.25° *	
	Source		Inner	
Power voltage	AC220V ± 10%; 50Hz 5%			
Dimension & weight	95H × 245W × 340D(mm): about 2Kg			

DDS
Function
Generator

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