

DDS Function Generator

Protek GD-0020

Protek
It measures even what you think!

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 5MHz
	Others		1mHz to 10kHz
	Resolution		8 digits display
	Stability		50ppm
Signal	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
Sweep	Setting resolution		3 digits
	Type		Linearity / logarithm
	Direction		Positive / negative
	Early/ final freq.	0.1Hz to 5MHz	0.1Hz to 10MHz
AM	Time		10ms to 40s
	Waveform modulation		Any inner waveform
	Freq. modulation		100mHz to 20kHz
	AM depth		0% to 120%
	Source		Inner / external
FM	Waveform modulation		Any inner function waveform
	Freq. modulation		100mHz to 20kHz
	Freq. offset	0.1Hz to 5MHz	0.1Hz to 10MHz
PM	Source		Inner
	Waveform modulation		Any inner function waveform
	Freq. modulation		100mHz to 20kHz
	Phase offset		-360° to 360° ; resolution: 11,25°
Power voltage	AC220V ± 10%; 50Hz 5%		
Dimension & weight	95H × 245W × 340D(mm); about 2Kg		

DDS
Function
Generator