

函數/任意波形產生器 Function/Arbitrary Waveform Generators

DG800 Series

頻寬：10MHz~100MHz

Function/Arbitrary Waveform Generators



產品特色

- ◆ 16bit 垂直解析度
- ◆ 信號抖動低至 200ps
- ◆ 支援多種信號輸出
- ◆ 內建波形疊加及通道追蹤
- ◆ 諧波產生器

Model		DG811/DG812	DG821/DG822	DG831/DG832
Channel		1/2		
Max. Output Frequency		10MHz	25MHz	35MHz
Sample Rate		125MSa/s		
Waveform Type	Basic Waveforms	Sine, Square, Ramp, Pulse, Noise, DC, Dual-tone		
	Advanced Waveforms	PRBS, RS232, Sequence		
	Built-in Arbitrary Waveforms	160 types of waveforms, including Sinc, Exponential Rise, Exponential Fall, ECG, Gauss, HaverSine, Lorentz, etc.		
Arbitrary Waveform Length		2Mpts (opt. 8Mpts)		
Vertical Resolution		16bits		
Sine		1uHz-10MHz	1uHz-25MHz	1uHz-35MHz
Square		1uHz-5MHz	1uHz-10MHz	1uHz-10MHz
Ramp		1uHz-200KHz	1uHz-500KHz	1uHz-1MHz
Pulse		1uHz-5MHz	1uHz-10MHz	1uHz-10MHz
Arbitrary Waveform		1uHz-5MHz	1uHz-10MHz	1uHz-10MHz
Harmonic		1uHz-5MHz	1uHz-10MHz	1uHz-15MHz
Dual-tone		1uHz-10MHz	1uHz-20MHz	1uHz-20MHz
RS232		Baud rate range : 9600, 14400, 19200, 38400, 57600, 115200, 128000, 230400		
PRBS		2kbps-10Mbps	2kbps-20Mbps	2kbps-30Mbps
Sequence		2k to 30 MSa/s		
Noise (-3 dB)		100 MHz Bandwidth		
Sine Wave Spectrum Purity		Total harmonic distortion : <0.075% (10 Hz to 20 kHz, 0 dBm) ; phase noise : <-105 dBc/Hz@10 MHz (0 dBm, 10 kHz offset)		
Square Rise/Fall Time		Typical (1 Vpp) ≤ 9 ns		
Jitter (rms)		Typical (1 Vpp) ; ≤5 MHz: 2 ppm of the period + 200 ps ; > 5 MHz: 200 ps		
Output Amplitude (into 50 Ω)		≤10MHz : 1 mVpp-10 Vpp ; ≤30 MHz : 1 mVpp-5 Vpp ; ≤60 MHz : 1 mV-2.5 Vpp ; > 60 MHz : 1 mV-2.5 Vpp		
Modulation Type		AM, FM, PM, ASK, FSK, PSK, and PWM		
Size		237.4 mm (W) × 97 mm (H) × 268 mm (D)		
Weight		1.75 kg		

II Standard Accessories

Order Information	Order No.
Power Cord	-
BNC Cable (only DG832/DG831/DG822/DG821)	CB-BNC-BNC-MM-100
Quick guide (hard copy)	-
Product Warranty Card	-

II Option

Order Information	Order No.
Single-dual CH Upgrade Option (only for DG831/DG821/DG811)	DG800-DCH
Memory Depth Upgrade Option	DG800-ARB8M