

DDS Function Generators

GW INSTEK

SFG-1003/1013



- DDS Technology & FPGA Design.
- Frequency Range 0.1Hz ~ 3MHz.
- Frequency Accuracy ± 20 ppm.
- Frequency Stability ± 20 ppm.
- Frequency Resolution up to 100mHz.
- Low Distortion Sine Wave: -55 dBc from 0.1Hz ~ 200kHz.

AVAILABLE
TO BUY ONLINE

		SFG-S1003	SFG-1013
Main Output	Output Functions Frequency Range - Sine, Square Frequency Range - Triangle Resolution Stability Accuracy Aging Amplitude Range Impedance Attenuator DC Offset Duty Control Range Display Output Control Voltage Display	Sine, Square, Triangle, TTL 0.1Hz ~ 3MHz 0.1Hz ~ 1MHz 0.1Hz ± 20 ppm ± 20 ppm ± 5 ppm/year 10Vp-p (into 50 Ω Load) 50 $\Omega \pm 10\%$ -40dB ± 1 dBx1 <-5V ~ >5V (into 50 Ω Load) 25% ~ 75% Below 1MHz (for Square Wave Only) 6-Digit LED Display ON/OFF Selector Available on Model SFG-1013 Only	
	Display Function	Frequency Only	Voltage & Frequency
Sine Wave	Harmonic Distortion Flatness (at Max. Amplitude Relative to 1kHz)	0.1Hz ~ 200kHz: ≥ -55 dBc 0.2MHz ~ 2MHz: ≥ -40 dBc 2MHz ~ 3MHz: ≥ -35 dBc 0.1Hz ~ 1MHz: $< \pm 0.3$ dB 1MHz ~ 2MHz: $< \pm 0.5$ dB 2MHz ~ 3MHz: $< \pm 1$ dB	
Triangle Wave	Linearity	0.1Hz ~ 100kHz: $\geq 98\%$ 100kHz ~ 1MHz: $\geq 95\%$	
Square Wave	Symmetry	0.1Hz ~ 100kHz: 4ns All Other Frequencies: 5% of Period	
TTL Output	Rise or Fall Time Level Fan Out	≤ 100 ns at Max. Output (into 50 Ω Load) ≥ 3 Vp-p 20 TTL Loads	
General	Power Source Dimensions Weight	AC 240V, 220V, 110V $\pm 10\%$, 50/60Hz 251mm (W) x 91mm (H) x 291mm (D) 2.1kg	
Standard Accessories		GTL-101x1, User Manual x 1, Power Cord	



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OUR RANGE IS CONSTANTLY EXPANDING, SEE OUR WEBSITE FOR NEW PRODUCT DETAILS...