ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Instek SFG-2010* at our website: *Click HERE*

DDS Function Generator



SFG-2104/2107/2110 (4/7/10MHz)



SFG-2004/2007/2010 (4/7/10MHz)

FEATURES

* DDS Technology and FPGA Chip Design
* Frequency Range:0.1Hz~4MHz/7MHz/10MHz
* High Frequency Accuracy : ±20ppm
* High Frequency Stability : ±20ppm
* Frequency Resolution :100mHz
* Low Distortion Sine Wave : -55dBc, 0.1Hz~200KHz
* Built-in 6 Digits, 150MHz/High Resolution Counter (SFG-2100 Series Only)
* INT/EXT AM/FM Modulation (SFG-2100 Series Only)
* LIN/LOG Sweep Mode (SFG-2100 Series Only)
* Front Panel Setting Save/Recall with 10 Groups of Setting Memories

SPECIFICATIONS

		SFG-2000 Series			SFG-2100 Series		
		SFG-2004	SFG-2007	SFG-2010	SFG-2104	SFG-2107	SFG-2110
MAIN	Frequency Range(For Sine, Square)	0.1Hz~4MHz	0.1Hz~7MHz	0.1Hz~10MHz	0.1Hz~4MHz	0.1Hz~7MHz	0.1Hz~10MHz
	Range(For Triangle)	0.1Hz~1MHz					
	Resolution	0.1Hz					
	Stability	± 20 ppm					
	Accuracy	± 20 ppm					
	Aging	± 5 ppm / year					
	Output Function	Sine, Square, Triangle					
	Amplitude Range	10Vpp(into 50Ωload)					
	Flatness(Sinewave relative to 1kHz)	＜± 0.3dB,0.1Hz～1MHz; ＜± 0.5dB,1MHz～4MHz; ＜± 2dB, 4MHz～10MHz					
	Impedance	50Ω±10%					
	Attenuator	-20dB±1dBx2					
	DC Offset	＜-5V～＞+5V(into 50Ωload)					
	Duty Control Range	20% to 80% below 1MHz (Square wave only)					
	Resolution	1%					
	Display	9 digits LED display					
SINE WAVE	Harmonics Distortion	-55dBc,0.1Hz～200kHz; -40dBc,0.2MHz～4MHz; -30dBc,4MHz～10MHz (Specification applied from MAX. to 1/10 level)					
TRIANGLE WAVE	Linear	≧98%,0.1Hz～100kHz;≧95%,100kHz～1MHz					
SQUARE WAVE	Symmetry	± 1% of period +4ns to 0.1Hz～100kHz;Rise or Fall Time ≦25ns at maximum output.(into 50Ωload)					
CMOS OUTPUT	Level	4Vpp±1Vpp～14.5Vpp±0.5Vpp adjustable; Rise or Fall Time; ≦120ns					
TTL OUTPUT	Level	≧3Vpp; Fan Out; 20 TTL load; Rise or Fall Time; ≦25ns					
SWEEP OPERATION	Sweep/Rate Sweep/Time Sweep/Mode	—			100:1 ratio max. and adjustable 0.5Sec～30Sec adjustable Lin./Log. switch selector		
AMPLITUDE MODULATION	Depth & MOD. Frequency Carrier BW EXT Sensitivity	—			0～100% ; 400Hz(INT),DC～1MHz(EXT) 100Hz～5MHz(-3dB) ≦10Vpp for 100%modulation		
FREQUENCY MODULATION	Deviation & MOD. Frequency EXT Sensitivity	—			0～±5% ; 400Hz(INT),1kHz(EXT) ≦10Vpp for 10% modulation		
FREQUENCY COUNTER	Range Accuracy Time base Resolution Input Impedance Sensitivity	—			5Hz～150MHz Time base accuracy±1count ±20ppm(23℃±5℃) after; 30 minutes warm up The maximum resolution is 10nHz for 1Hz and 0.1Hz for 100MHz 1MΩ/150pf ≦35mVrms(5Hz~100MHz) ≦45mVrms(100MHz~150MHz)		
STORE/RECALL FUNCTION		10 groups of Setting memories					
POWER SOURCE		AC115V, 230V±15%,50/60Hz					
ACCESSORIES		Instruction manualx1,Power Cord x 1,GTL-101x1			Instruction manualx1,Power Cord x 1,GTL-101x2		
DIMENSION & WEIGHT		107(W)x266(H)x293(D) m/m;Approx. 3.1kg			107(W)x266(H)x293(D) m/m;Approx. 3.2kg		

ORDERING INFORMATION

SFG-2004	4MHz DDS Function Generator	**SFG-2104**	4MHz DDS Function Generator with Counter, Sweep & AM, FM Modulation
SFG-2007	7MHz DDS Function Generator	**SFG-2107**	7MHz DDS Function Generator with Counter, Sweep & AM, FM Modulation
SFG-2010	10MHz DDS Function Generator	**SFG-2110**	10MHz DDS Function Generator with Counter, Sweep & AM, FM Modulation

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP