ATG-2000 Series Power Signal Generator

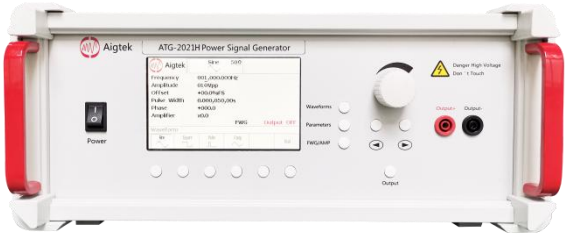
It can output sine wave, square wave, triangle wave, and pulse wave

The input signal can be built-in or external

Output voltage up to 1600Vp-p (±800V)

Output current 500mAp (higher current can be customized)

Bandwidth（-3dB）DC~1MHz



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Bandwidth（-3dB）DC~1MHz

Output voltage up to 1600Vp-p (±800Vp)

Maximum output current 500mAp (higher current can be customized)

Introduction

ATG-2000 series is a power signal generator, mainly used in the university electronic experimental test, MEMS test, ultrasonic test, electromagnetic drive, PZT drive and so on. The voltage gain is numerically adjustable, and the common settings can be saved with one click, providing convenient operation options.

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Model	ATG-2021H	ATG-2022H	ATG-2031	ATG-2032
Number of channels	1	2	1	2
Form of output	Single output		Single output	
Bandwidth (-3dB)	DC~1MHz		DC~500kHz	
Maximum output voltage	200Vp-p（±100Vp）		300Vp-p（±150Vp）	
Maximum output current	250mAp（DC~50Hz）		60mAp（DC~50Hz）	
	500mAp（>50Hz）		120mAp（>50Hz）	
Maximum output power	50Wp		18Wp	
Fuse	2A/250V	5A/250V	2A/250V	
Voltage gain	x0~60（1 step）		x0~50（1 step）	
Load R_L upper limit	≥395Ω（DC~50Hz）		≥2.45kΩ（DC~50Hz）	
	≥195Ω（>50Hz）		≥1.2kΩ（>50Hz）	
Output resistance	5Ω /1kΩ(Customizable)		50Ω /2.5kΩ(Customizable)	
Slew Rate	≥445V/μs		≥334V/μs	
Input resistance	5kΩ			
Input amplitude	0~10Vp-pMAX			
Output voltage error	≤±3%FS@1kHz			
Voltage monitoring	100:1（±5%）			
Total harmonic distortion (THD)	≤0.1%@1kHz，100Vp-p			
Output voltage zero-point drift	≤±0.1V			
Signal-noise ratio(SNR)	≥80dB			
Output connector	4mm banana connector			
Protection	Overcurrent protection			
Signal ground	Ground connected with the case and the power line			
Supply voltage	AC220V±10%，50Hz			
Operating temperature	0℃~45℃			
Storage temperature	-20℃~50℃			
Humidity	≤80%RH，no condensation			
Dimension（W*H*D）：	365*163*365mm	440*163*470mm	365*163*365mm	365*163*365mm

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Model	ATG-2041	ATG-2042	ATG-2081	ATG-2082	ATG-2161
Number of channels	1	2	1	2	1
Output form	Single output		Single output	Differential output	
Bandwidth (-3dB)	DC~500kHz		DC~200kHz	DC~150kHz	
Maximum output voltage	400Vp-p（±200Vp）		800Vp-p（±400Vp）	1600Vp-p（±800Vp）	
Maximum output current	50mAp（DC~50Hz）		20mAp（DC~50Hz）	20mAp（DC~50Hz）	
	100mAp（>50Hz）		40mAp（>50Hz）	40mAp（>50Hz）	
Maximum output power	20Wp		16Wp	32Wp	
Voltage gain	x0~60（1 step）		x0~120（1 step）	x0~240（1 step）	
Load R_L upper limit	≥3.95kΩ（DC~50Hz）		≥19.9kΩ（DC~50Hz）	≥39.8kΩ（DC~50Hz）	
	≥1.95kΩ（>50Hz）		≥9.9kΩ（>50Hz）	≥19.8kΩ（>50Hz）	
Output resistance	50Ω /2.5kΩ (Customizable)		100Ω /5kΩ (Customizable)	200Ω /10kΩ (Customizable)	
Slew Rate	≥445V/μs		≥356V/μs	≥534V/μs	
Input resistance	5kΩ				
Input amplitude	0~10Vp-pMAX				
Output voltage error	≤±3%FS@1kHz				
Voltage monitoring	100:1（±5%）				
Total harmonic distortion (THD)	≤0.1%@1kHz，100Vp-p				
Output voltage zero-point drift	≤±0.3V				
Signal-noise ratio(SNR)	≥80dB				
Output Connector	4mm banana connector				
Protection	Overcurrent protection				
Signal Ground	Ground connected with the case and the power line				
Supply voltage	AC220V±10%，50Hz				
Fuse	2A/250V				
Operating temperature	0℃~45℃				
Storage temperature	-20℃~50℃				
Humidity	≤80%RH，no condensation				
Dimension（W*H*D）：	365*163*365mm				