

Features	Active Technologies PG-1000 	Active Technologies PG-1500 	Active Technologies AWG-5000 	Active Technologies AWG-4012/4014/4018 	Active Technologies AWG-2000 
Number of Channels	2/4	1/2	2/4/8	2/4/8	2/4
Sampling Rate / Repetition Rate	800 MHz Repetition Rate	400 MHz Repetition Rate	6.16 GS/s Real Time Sampling Rate	1.2 GS/s Real Time Sampling Rate	600 MS/s Real Time Sampling Rate 1.2 GS/s Interpolated
Minimum Rise / Fall Time	70 ps Fixed	400 ps Fixed	110 ps Programmable	@1Vpp<700ps @5Vpp<900ps Programmable	2.2 ns Programmable
Amplitude Range (50 Ω into 50)	5Vpp	50 Vpp	AWG-5062/5064/5068 (Single Ended): 5 Vpp AWG-5062D/5064D/5068D (Diff): 1.5 Vpp	6Vpp 12 Vpp (HV Option)	6Vpp 12 Vpp (HV Option)
Hardware Offset (50 Ω into 50)	✔ Single Ended Output ± 2.5V	✔ Single Ended Output ± 25V	✔ Single Ended Output ± 2.5V Differential Output ± 2V	✔ Single Ended: ± 6V	✘
Vertical Resolution	4 mV (from 250 mVpp to 5Vpp) 1 mV (from 10 mVpp to 250mVpp)	10 mV	16 Bits	16 Bits	16 Bits
Waveform Memory MAX.	-	-	4 Gpts/Ch	1 Gpts/Ch	256 Mpts/Ch
Calculated Bandwidth	-	-	Single Ended Output: 2 GHz @ 5Vpp Differential Output: 2 GHz @ 1.5Vpp	318 MHz	180 MHz
Channel to channel skew	Skew: 100 ps Resolution: 10 ps	Skew: 100 ps Resolution: 10 ps	Skew: < 20 ps Resolution: 100 fs	Skew: 0 ps (nom.) Accuracy: +5ps (typ)	Skew: 200 ps Resolution: 10 ps
Multi-Instrument Synchronization	✔ Unlimited Units with Trigger IN / External Clock Unlimited Number of Analog Channels	✔ Unlimited Units with Trigger IN / External Clock Unlimited Number of Analog Channels	✔ Up to 4 Units 32 Analog Channels and 128 Digital Channels	✔ Up to 4 Units 32 Analog Channels and 128 Digital Channels	✘
Mixed Signals / Serial Data Pattern Generator	-	-	✔ - Up to 32 Digital Channels ✔ - SPG Option - Up to 8 Serial Channels	✔ - Up to 32 Digital Channels ✔ - SPG Option - Up to 8 Serial Channels	✔ - Up to 16 Digital Channels ✘
Options	SSD Rack-Mount Kit	SSD Rack-Mount Kit	Memory Upgrade Multi-Instrument Sync Cable	Sequencer DC and AC amplifier 8 GS/s 14 Bit   12 GS / 12 Bit	Memory Upgrade 64M DC coupled Amp AC coupled Amp
Price	Starting From: 20850 €	Starting From: 25850 €	Starting From: 39900 €	Starting from: 11750 €	Starting from: 7250 €