WaveGen out	Rear-panel BNC connector			
Waveforms	Sine, Square, Ramp, Pulse, DC, Noise, Sine Cardinal (Sinc), Exponential Rise, Exponential Fall, Cardiac, Gaussian Pulse, and Arbitrary			
Modulation	Modulation types: AM, FM, FSK Carrier waveforms: sine, ramp, sine cardinal, exponential rise, exponential fall, and cardiac Modulation source: internal (no external modulation capability)			
	AM: Modulation: sine, square, ramp Modulation frequency: 1 Hz to 20 kHz Depth: 0% to 100%			
	FM: Modulation: sine, square, ramp Modulation frequency: 1 Hz to 20 kHz Minimum carrier frequency: 10 Hz Deviation: 1 Hz to carrier frequency or (2e12 / carrier frequency), whichever is smaller			
Sine	Frequency range: 0.01 Hz to 100 MHz			
	Amplitude flatness: ± 0.5 dB (relative to 1 kHz)			
	Harmonic distortion: –40 dBc			
	Spurious (non-harmonics): –40 dBc			
	Total harmonic distortion: 1%			
	SNR (50 Ω load, 500 MHz BW): 40 dB (Vpp > = 0.1 V); 30 dB (Vpp < 0.1V)			
Square wave /pulse	Frequency range: 0.01 Hz to 50 MHz			
	Duty cycle: 20 to 80%			
	Duty cycle resolution: Larger of 1% or 10 ns			
	Pulse width: 20 ns minimum			
	Rise/fall time: 2.5 ns (10 to 90%)			
	Pulse width resolution: 10 ns or 5 digits, whichever is larger			
	Overshoot: < 6%			
	Asymmetry (at 50% DC): ± 1% ± 5 ns			
Ramp/triangle wave	Frequency range: 0.3 Hz to 5 MHz			
	Linearity: 1%			
	Variable symmetry: 0 to 100%			
	Symmetry resolution: 1%			
DC	Precise (-1 to 1V) Hi Z			
	Wide Range (-8 to 8V)			
Noise	Bandwidth: 150 MHz typical			
Sine Cardinal (Sinc)	Frequency range: 0.3 Hz to 5 MHz			
Exponential Rise/Fall	Frequency range: 0.3 Hz to 5 MHz			
Cardiac	Frequency range: 0.3 Hz to 200.0 kHz			
Gaussian Pulse	Frequency range: 0.3 Hz to 5.0 MHz			
Arbitrary	Waveform length: 2 to 8,192 points			
	Amplitude resolution: 14 bits (including sign bit) 1			
	Repetition rate: 0.3 Hz to 12 MHz			
	Sample rate: 400 MSa/s			

^{1.} Full resolution is not available at output due to internal attenuator stepping.

requency		Sine wave accuracy: Timebase accuracy ± 1 ppm
		Square wave and pulse accuracy: Timebase accuracy ± 3 ppm
Amplitude		Range:
		2 mVpp to 10 Vpp into Hi-Z ^{1,2}
		1 mVpp to 5 Vpp into 50 Ω ^{1,2}
		Resolution: 100 μV or 3 digits, whichever is higher
		Accuracy: 2% (frequency = 1 kHz)
DC offset		Range:
		± 8 V into Hi-Z ^{1,2}
		\pm 4 V into 50 Ω ^{1,2}
		Resolution: 100 μV or 3 digits, whichever is higher
Trigger output		Trigger output available on Trig out BNC
Main output		Impedance: 50 Ω typical
		Isolation: Not available, main output BNC is grounded
Output mode		Normal
		Single-shot (arbitrary, sine, ramp, sine cardinal, exp rise/fall, cardiac, Gaussian pulse)
Digital Voltmet	er (specifications a	are typical)
unctions		ACrms, DC, DCrms
Resolution		ACV/DCV: 3 digits
Measuring rate		100 times/second
Autoranging		Automatic adjustment of vertical amplification to maximize the dynamic range of measurements
Range meter		Graphical display of most recent measurement, plus extrema over the previous 3 seconds
Precision Coul	nter/Totalizer (spec	ifications are typical)
Counter	Source	Any analog channel or trigger qualified event (non-edge trigger modes)
	Resolution	8 digits maximum
	Max frequency	1 GHz (any analog channel)
	Trig qual events	1/(trigger hold off time) for trigger qualified events (max 25 MHz, minimum dead time of 40 ns)
Measurement		Frequency, period, totalize
Totalizer	Counter size	64-bit
	Edge	Rise or fall

^{1.} Gaussian Pulse, Sin, Cardiac: 4 Vpp maximum into Hi-Z; 2 Vpp maximum into 50 Ω .

^{2.} Maximum high level of 8V and minimum low level of -8V into Hi-Z (4V and -4V into 50 Ω) of combined signal amplitude and offset