

Table 6: Amplitude

Characteristic	Description	PV ref page
Range		
AFG1022	1 mV _{p-p} to 10 V _{p-p} (into 50 Ω load) 2 mV _{p-p} to 20 V _{p-p} (into Open circuit or High-Z)	
AFG1062	≤ 25 MHz: 1 mV _{p-p} to 10 V _{p-p} > 25 MHz: 1 mV _{p-p} to 5 V _{p-p} (into 50 Ω load) ≤ 25 MHz: 2 mV _{p-p} to 20 V _{p-p} > 25 MHz: 2 mV _{p-p} to 10 V _{p-p} (into Open circuit or High-Z)	
✓ Accuracy	$\pm(1\%$ of setting +1 mV _{p-p}) (at 1 kHz sine waveform), 0 V offset	(See page 21, <i>Amplitude test.</i>)
Resolution	1 mV _{p-p} or 4 digits	
Units ¹	V _{p-p} , V _{rms} , and Volt (High level and Low level)	
Output impedance	50 Ω	

¹ V_{rms} is not available for Pulse, Noise, and Arb waveforms.

Table 7: DC offset

Characteristic	Description	PV ref page
Range	$\pm(5 V_{pk} - \text{Amplitude } V_{p-p}/2)$ into 50 Ω load $\pm(10 V_{pk} - \text{Amplitude } V_{p-p}/2)$ into Open circuit or High-Z	
✓ Accuracy	$\pm(1\%$ of setting + 1 mV + amplitude V _{p-p} * 0.5%)	(See page 23, <i>DC offset test.</i>)
Resolution	1 mV	
Output impedance	50 Ω (typical)	

Table 8: Counter Specification

Characteristic	Description	PV ref page
Function	Frequency, period, positive Pulse width, Duty cycle	
Frequency Range	100 mHz to 200 MHz	
✓ Frequency Resolution	6 digits	(See page 24, <i>Counter test.</i>)
Coupling mode	AC, DC	
Voltage Range and Sensitivity, DC coupled (non-modulation signal)		
100 mHz to 100 MHz	250 mV _{p-p} to 5 V _{p-p} (AC+DC)	
100 MHz to 200 MHz	450 mV _{p-p} to 3 V _{p-p} (AC+DC)	
Voltage Range and Sensitivity, AC coupled (non-modulation signal)		
1 Hz to 100 MHz	250 mV _{p-p} to 5 V _{p-p}	
100 MHz to 200 MHz	450 mV _{p-p} to 4 V _{p-p}	
Pulse width and Duty cycle Measure	1 Hz to 10 MHz	
Input impedance	1 M Ω with 100 pF parallel	
High frequency noise restraint (HFR)	On / Off (HFR frequency = 500 kHz)	
Sensitivity	Low, Middle, High	
Trigger level range	± 2.5 V	