

# BK Precision Sweep/Function Generator

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Specifications	model 4017A
<b>Frequency Characteristics</b>	
Waveforms	Sine, Square, Triangle, +-Pulse, +-Ramp
Range	0.1 Hz to 10 MHz in 8 ranges
Resolution	5 digits
Tuning Range	10:1
Fine	+/-5% of coarse setting
Variable Duty Cycle	15:85:15 cont variable
Operating Modes	Normal, sweep, VCG
<b>Output Characteristics</b>	
Impedance	50Ω +/- 10%
Level	20 V p-p Open circuit, 10V p-p into 50 W
Amplitude	Variable, 20 dB range typical
Attenuation	-20 dB +/- 1 dB
DC Offset	Preset +/- 0.1 V type Variable: +/- 10V open-circuit +/-5 into 50 Ω
<b>SINE Wave</b>	
Distortion	<=3% typical at 1 kHz
Flatness	+/-5% +/- (.45 dB) 0.1 Hz to 8 MHz
	+/-20% +/- (2.0 dB) 8 MHz to 10 MHz @ 3Vp-p
<b>Square wave</b>	
Symmetry	0.1 Hz to 100 kHz < 2%
Rise time	<= 30 ns
Triangle Wave	Linearity: >= 98% to 100 kHz
<b>TTL Output</b>	
Level	0.8V to 2.4V
Rise time	<= 20 nS
Duty Cycle	50% typical
<b>Max. Frequency</b>	
Max. Frequency	2 MHz
Level	4V to 14V +/-0.5 p-p cont. variable
Rise Time	<= 120 nS
<b>VCG (Voltage controlled generator)</b>	
Input Voltage	0-10V +/- 1V causes a 100:1 frequency change
Impedance	10k Ω +/-5%
Mode	LIN/LOG

Width	100:1 continuously variable
Rate	0.5s to 30s cont variable
Sweep Output	0 to 10V
Start/Stop Frequencies	NA
Frequency Counter	
Accuracy	Time base accuracy +- 1 count
Time Base Accuracy	+/- 10 ppm (23 ° +/-5 ° C)
Display	5 digit LED
Mode	NA
<b>External Input</b>	
Frequency	Does not apply
Resolution	0.1, 1, 10, 100, 1 kHz
Sensitivity	25Vrms
Power Source	120/230 VAC +/-10% 50/60 Hz, internal jumper selectable
Dimensions	4.5x11.75x10.575" (114x298x264mm)
Weight	4 lbs. (1.8 kg)
<b>Two Year Warranty</b>	
<b>Accessories</b>	
SUPPLIED: Output Cable with BNC to Alligator Clips, Instruction Manual Carrying Case (not included): LC-40	