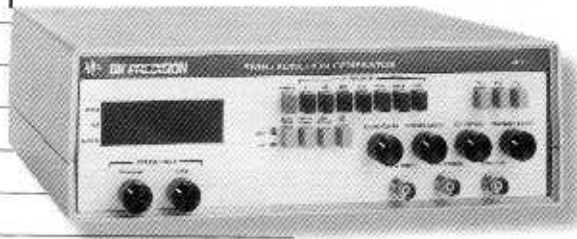
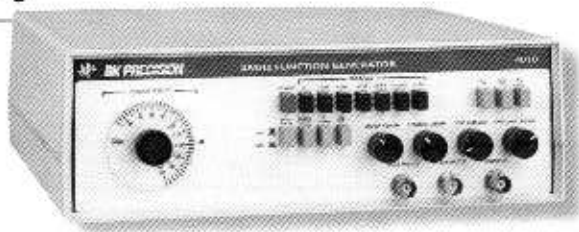


4011



4010



Function Generators

Model 4011

5 MHz Function Generator with Digital Display

- 0.5 Hz to 5 MHz
- Sine, Square, Triangle, Pulse, & Ramp output
- Coarse and Fine tuning
- 4 digit LED display
- Variable duty cycle
- Variable DC offset

Model 4010

2 MHz Function Generator

- 0.2 Hz to 2 MHz
- Sine, Square, Triangle, Pulse, & Ramp output
- Variable duty cycle
- Variable DC offset

Accessories

SUPPLIED: Output Cable, BNC to Alligator Clips, Instruction Manual

Specifications

	4011	4010
Frequency Characteristics		
Waveforms	Sine, Square, Triangle, Pulse, Ramp	
Range	0.5 MHz to 5 MHz in 7 ranges	0.2 Hz to 2 MHz in 7 ranges
Resolution	4 digits	NA
Dial Accuracy	NA	±5%
Tuning Range	Coarse: 10:1 Fine ±5% of coarse setting	10:1
Temperature Stability	.06%/°C	.06%/°C
Variable Duty Cycle	15:85:15 Cont variable	15:85:15 cont variable
Operating Modes	Normal, VCG	Normal, VCG
Output Characteristics		
Impedance	50Ω ±10%	
Level	20 V p-p Open circuit, 10V p-p into 50Ω	
Amplitude	Variable, 20 dB range typ	
Attenuation	-20 dB ±1dB	
DC Offset	Preset +0.1 V typ Variable: ±10V open-circuit ±5 into 50Ω	
SINE Wave	Distortion: 1% typ @ 1 kHz Flatness: ≤5% (-35 dB)	
Square Wave	Symmetry: 0.5 Hz to 100 KHz ≤ 2% Rise time: <50 nS	
Triangle Wave	Linearity: > 99% to 100 KHz, ≥ 95% to 2 MHz	
TTL Output		
Level	8V to 2.4V	
Rise time	< 20 nS	
Duty Cycle	50% typical	
CMOS Output		
Max. Frequency	4 MHz	2 MHz
Level	4V to 14V ±0.5 p-p cont. variable	
Rise Time	≤120 nS	
Input		
Input Voltage	0-10V ±1V causes a 100:1 frequency change	
Impedance	10K ±5%	
Frequency Counter		
Accuracy	Time Base Accy ±1 count	NA
Time Base Accuracy	+10 PPM (23°C ±5°)	NA
Display	4 digit LED	NA
Power Source	120.230 VAC + 10%, 50/60 Hz, internal jumper selectable	
Dimensions (H x W x D)	3-3/8 x 10-3/8 x 11-7/16" (86 x 264 x 291 mm)	
Weight	4 lbs. (1.8 kg)	

Two Year Warranty