

BK PRECISION

Power Source & Sink



Signal Generation & Analysis



Component Testing



Product Catalog



In 1961, Carl Korn placed B&K Precision under an umbrella corporation, Dynascan, comprising a variety of electronics firms. One of those companies, Cobra Electronics, came to dominate the Citizen’s Band (CB) radio phenomenon. Choosing to focus on radios, Korn sold B&K Precision. Through an ensuing series of ownership transitions B&K continued to produce high-quality test and measurement products.

In 1996, engineer Victor Tolan, headed up a new ownership team for B&K Precision that launched a greatly expanded product line. The company also expanded upon its American base to better serve international customers. Company headquarters moved to southern California to provide improved service to Asia. In 2004, B&K expanded its presence in Europe through the acquisition of Sefram Instruments to better meet customer needs in the region. With the acquisition of Motech Industries’ instrument division in 2011, we strengthened our expertise in programmable linear and high power switching power supplies.

B&K Precision has come a long way from its days in Carl Korn’s garage, but holds fast to the business ideals of innovation, flexibility, and solid customer service that has guided the company from its humble beginnings in America, while reaching out to embrace the rapidly expanding global marketplace. We now provide service and support on four continents, and our design team draws upon resources in places as wide-ranging as Romania, Israel, and Taiwan.



Americas – B&K Precision

Our headquarters in Yorba Linda, California house most of our administrative and executive functions including research and design, customer service and repair, and sales and marketing. The California warehouse ships to North, Central, and South America, and our service center provides our customers with live, one-on-one support. Our B&K Brasil office supports our expanding customer base in Brazil and other South American countries.

Europe – Sefram

Our European customers have become most familiar with B&K through our Sefram subsidiary. Sefram’s offices in St. Etienne, France currently support customers in Europe, the Middle East, and Africa.

Asia – B+K Taiwan

Our BK Taiwan plant primarily designs and manufactures programmable power supplies and provides distribution, sales and service support for that region. The independent service center in Singapore services customers in Singapore, Malaysia, Vietnam, and Indonesia.

Our distribution partners

An extensive network of independent distributors offers B&K Precision products around the globe. Visit our website to find your local authorized distributor, and even view available inventory from participating distributors. You can buy in confidence, knowing that all our products carry B&K’s warranty, and worldwide service and support.

As B&K Precision keeps growing, we continue to uphold the standards we set more than a half-century ago even as we find new answers to our customers’ needs. Whether you require measuring devices for a new venture; test equipment to ensure standards adherence; technology for teaching budding young scientists—or instruments for test and measurement challenges that depend on quality and accuracy, B&K Precision Corporation has solutions.

SIGNAL GENERATORS

Stimulus signals for design and test



Signal Generators

Selection Guide

Arbitrary/Function Generators

Type	Frequency range	Number of channels	Arbitrary			Modulation		Output range (into 50 Ω)	Interface	Special features	Model	Page
			Waveform length	Sample rate	Vertical resolution	AM / FM	Other					
Performance Arbitrary & Function Generator*	1 uHz-30 MHz	1	1 Mpts	200 MSa/s	14 bit	int/ext	FSK	10 mV-10 Vpp	USB	marker	4075B	51
	1 uHz-30 MHz	2	1 Mpts	200 MSa/s	14 bit	int/ext	FSK	10 mV-10 Vpp	USB	marker	4078B	51
	1 uHz-50 MHz	1	4 Mpts	200 MSa/s	14 bit	int/ext	FSK	10 mV-10 Vpp	USB, GPIB	marker, summing input	4076B	51
	1 uHz-50 MHz	2	4 Mpts	200 MSa/s	14 bit	int/ext	FSK	10 mV-10 Vpp	USB, GPIB		4079B	51
	1 uHz-80 MHz	1	16 Mpts	200 MSa/s	14 bit	int/ext	FSK	10 mV-10 Vpp	USB, GPIB		4077B	51
	1 uHz-80 MHz	2	16 Mpts	200 MSa/s	14 bit	int/ext	FSK	10 mV-10 Vpp	USB, GPIB		4080B	51
Basic Arbitrary & Function Generator**	1 uHz-10 MHz	2	16 kpts	150 MSa/s	14 bit	int/ext	ASK, FSK, PM, PSK, DSB-AM, PWM	2 mVpp-10 Vpp	USB, LAN, GPIB option	counter, color display	4053B	53
	0.01 Hz-20 MHz	1	1 kpts	50 MSa/s	12 bit	int/ext	-	10 mV-10 Vpp	USB	counter	4045B	53
	0.01 Hz-25 MHz	2	16 kpts	125 MSa/s	14 bit	int/ext	FSK, PM, PWM	10 mV-10 Vpp	USB	counter	4047B	53
	1 uHz-30 MHz	2	16 kpts	150 MSa/s	14 bit	int/ext	ASK, FSK, PM, PSK, DSB-AM, PWM	2 mVpp-10 Vpp	USB, GPIB option	counter, color display	4054B	53
	1 uHz-60 MHz	2	16 kpts	150 MSa/s	14 bit	int/ext					4055B	53
	1 uHz-80 MHz	2	16 kpts	500 MSa/s	14 bit	int/ext			USB, GPIB option	counter, color display	4063	52
	1 uHz-120 MHz	2	16 kpts	500 MSa/s	14 bit	int/ext					4064	52
1 uHz-160 MHz	2	16 kpts	500 MSa/s	14 bit	int/ext	4065					52	

Note: All generators produce basic function generator waveforms sine, square, triangle, TTL/CMOS and ramp/pulse and complex waveforms including noise, sin(x)/x, exponential and Gaussian
 * = True AWG capable of generating almost any waveform combined with full function generator functionality (two in one)
 ** = Primarily DDS function generators with basic Arb. capability in terms of memory space, vertical resolution, and maximum output frequency

Function Generators

Type	Frequency range	Waveforms		Modulation		Sweep lin/log	Burst	Output range (into 50 Ω)	Interface	Special features	Model	Page
		Basic *)	Other	AM/FM	Other							
Digital (DDS)	1 Hz-5 MHz	√	-	-	-	-	-	10 mV-10 Vpp	-	-	4005DDS	54
	0.1 Hz-7 MHz	√	-	-	-	√	-	10 mV-10 Vpp	-	-	4007B	54
	0.1 Hz-12 MHz	√	-	-	-	√	-	10 mV-10 Vpp	-	-	4013B	54
	0.01 Hz-12 MHz	√	-	int/ext	-	√	-	10 mV-10 Vpp	USB	counter	4014B	54
	0.01 Hz-20 MHz	√	-	int/ext	-	√	√	10 mV-10 Vpp	USB	counter	4040B	54
Analog	0.2 Hz-2 MHz	√	-	-	-	-	-	100 mV-10 Vpp	-	-	4010A	56
	0.5 Hz-4 MHz	√	-	-	-	√	-	100 mV-10 Vpp	-	-	4001A	56
	0.5 Hz-4 MHz	√	-	-	-	√	-	100 mV-10 Vpp	-	counter	4003A	56
	0.5 Hz-5 MHz	√	-	-	-	-	-	100 mV-10 Vpp	-	-	4011A	56
	0.5 Hz-5 MHz	√	-	-	-	√	-	100 mV-10 Vpp	-	-	4012A	56
	0.1 Hz-10 MHz	√	-	-	-	√	-	100 mV-10 Vpp	-	-	4017A	56
	0.2 Hz-20 MHz	√	-	int/ext	-	√	√	100 mV-10 Vpp	-	counter	4040A	56

Note: *) basic waveforms include sine, square, triangle, TTL/CMOS and ramp/pulse

Pulse Generators

Type	Frequency range	Transition time	Width	Delay	Number of outputs	Model	Page
Analog	0.1 Hz-10 MHz	12 ns	50 ns - 50 ms	0 - 2 μs	1	4030	56
Digital	0.1 Hz-50 MHz	6 ns - 100 ms	10 ns - 10 s	0 - 10 s	1	4033	55
	0.1 Hz-50 MHz	6 ns - 100 ms	10 ns - 10 s	0 - 10 s	2	4034	55

Other Signal Sources

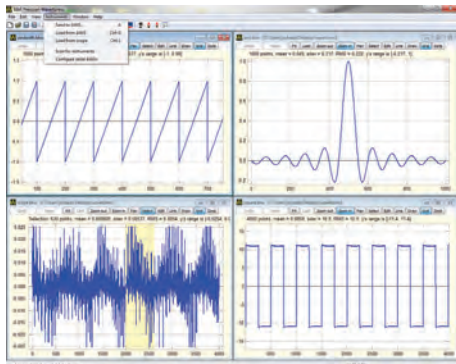
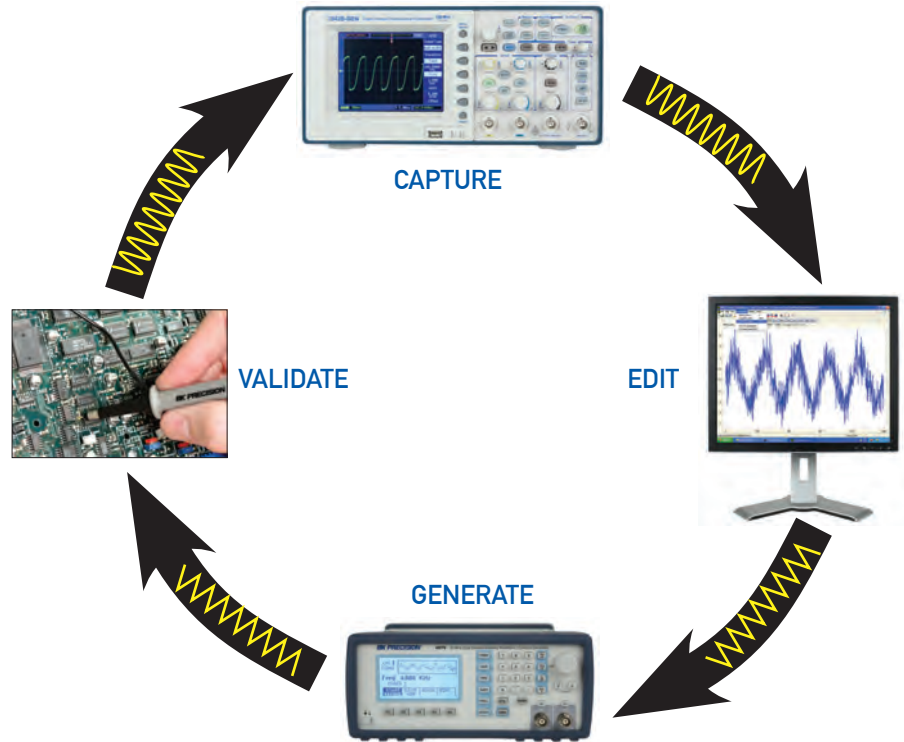
Type	Frequency range	Waveforms		Modulation	Output range	Model	Page
		Sine	Square	AM			
Audio	20 Hz-150 kHz	√	√	-	0-1.2 Vpp	3001	56
Signal	0.1 Hz-10 MHz	√	√	-	0-4.5 Vpp (no load)(sine), 5 Vpp (no load)(square)	3003	56
	100 kHz-150 MHz	√	-	int/ext	100 mVrms max.	2005B	56

Signal Generators

WaveXpress Software



WaveXpress is a comprehensive stand-alone application with several transformation options, allowing users to easily create complex waveforms. Modify a waveform downloaded from a scope or construct a new waveform using powerful and intuitive editing tools. Quickly download them to your AWG and begin testing your circuits and systems moments later. The WaveXpress program can also be used for general-purpose waveform editing without requiring any instruments to be connected to the computer.



Waveform creation capabilities

Features & Benefits

- Import waveforms from B&K scopes, AWGs, or load them from CSV or text files
- Autoscan function automatically detects instruments connected via RS232, USB, or GPIB
- Generate waveforms from scratch with drawing and editing tools.
- Insert commonly used waveforms and different types of noise
- Numerous transformations for changing a waveform. User-defined transformations can be added in the python programming language
- Multi-language support: additional languages can be added by the user
- Fast zooming and panning with mouse
- Dialog settings are remembered for faster repetitive work
- Undo/redo functions allow quick experimentation

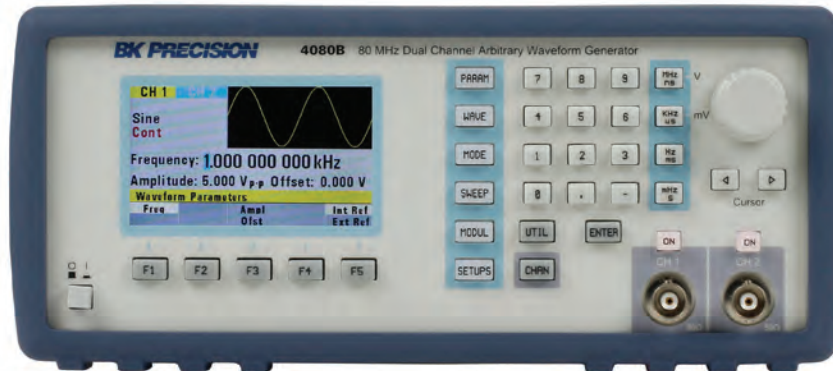
Waveforms	Filters	Noise	Transformations	Supported file formats	Supported interfaces
Sine Square Triangle Sawtooth Pulse Sinc Noise Exponential Rise/Decay	Savitzky-Golay smoothing Low-pass Band-pass High-pass Notch	Beta Chi Square Exponential F Gamma Laplace Lognormal Logistic Normal Rayleigh Uniform Weibull	Linear (ax + b) Gaussian noise Clip Resample Convert to DC (max, min, average, or RMS) Signum Absolute value Sort ordinates Reverse ordinates (mirror about vertical axis) Differentiate Integrate Make positive Normalize amplitude to unity Zero amplitude Negate (mirror about horizontal axis) CSV, ASCII, proprietary BKW file	CSV, ASCII, proprietary BKW file	RS232/USB/GPIB

Supported Instruments	
Oscilloscopes	2540C (-MSO) Series, 2550 Series, 2560 Series
AWGs	4045B, 4047B, 4075B - 4080B Series

Download Information:
www.bkprecision.com/WaveXpress

System requirements:
 Windows XP or later
 NI-VISA Run-Time Engine*

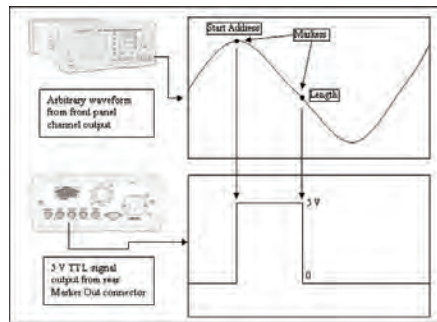
*Download from the NI website link below:
<http://joule.ni.com/nidu/cds/view/p/id/1606/lang/en>



4075B Series Arbitrary/Function Waveform Generators

Dual architecture design

These generators combine the benefits of DDS (direct digital synthesis) and true AWG (arbitrary waveform generator) architectures without the limitations of either. Standard waveforms such as sine, square, and triangle are generated with a DDS chip, delivering great frequency resolution at a low cost. Custom arbitrary waveform generation is implemented with a true point-by-point design, offering improved signal integrity by producing significantly less jitter and distortion compared to a DDS-only architecture.



Programmable markers

The 4075B Series provides fully programmable markers that allow you to generate a positive TTL level output signal at the points specified by address in memory and length up to 4000 points.

Flexible memory management

The 4075B Series gives users more freedom by allowing the flash memory to be allocated via start address and length parameter setups. For instance, a model 4080B user could generate one large 16M-point waveform or up to 49 different waveform setups totaling 16 Mpts in one memory bank. Up to eight non-volatile memory banks are available to store arbitrary waveforms with 14-bit vertical resolution.

Features & Benefits

- 14-bit, 200 MSa/s, 16 Mpts arbitrary waveform generator
- Linear and logarithmic sweep
- AM/FM/FSK modulation
- Output ON/OFF button
- Gate and burst mode
- Fully programmable markers
- Store/recall up to 50 instrument settings
- SCPI-compliant command set
- Short circuit protection on output



Model	4075B	4078B	4076B	4079B	4077B	4080B
Channels	1	2	1	2	1	2
Sine frequency range	1 μ Hz – 30 MHz		1 μ Hz – 50 MHz		1 μ Hz – 80 MHz	
Square frequency range	1 μ Hz – 30 MHz		1 μ Hz – 50 MHz		1 μ Hz – 60 MHz	
Arbitrary waveform length	1 Mpts		4 Mpts		16 Mpts	
Remote interface	USB/TMC		USB/TMC and GPIB			

Signal Generators

Function Generators/AWG



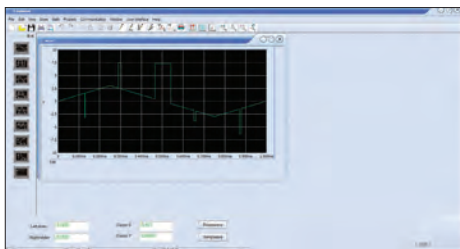
4060 Series Dual Channel Function/Arbitrary Waveform Generators

The 4060 Series Dual Channel Function/Arbitrary Waveform Generators are capable of generating stable and precise sine, square, triangle, pulse, and arbitrary waveforms. With an easy-to-read color display and intuitive user interface with numeric keypad, these instruments offer plenty of features including linear/logarithmic sweep, built-in counter, extensive modulation and triggering capabilities, a continuously variable DC offset, and a high performance 14-bit, 500 MSa/s arbitrary waveform generator.

Model	4063	4064	4065
Sine frequency range	1 μ Hz – 80 MHz	1 μ Hz – 120 MHz	1 μ Hz – 160 MHz
Square frequency range	1 μ Hz – 40 MHz	1 μ Hz – 50 MHz	
Weight	2.8 kg		
Dimensions (W x H x D)	261 x 105 x 344 mm		

Features & Benefits

- 14-bit, 500 MSa/s, 512k point arbitrary waveform generator
- Two independent channels with one button synchronization
- Large 4.3-inch LCD color display
- Linear and logarithmic sweep
- AM/DSB-AM/ASK/FM/FSK/PM/PWM modulation functions
- Variable DC offset
- Highly adjustable pulse duty cycle from 0.0001% to 99.9999%
- Internal/external triggering
- Gate and burst mode
- 36 built-in predefined arbitrary waveforms
- Store/recall up to 10 instrument settings and 32 user-defined arbitrary waveforms
- Built-in counter
- USB device port (USBTMC-compliant) with front panel USB host port
- GPIB connectivity with optional USB-to-GPIB adapter (model AK40G)
- Short circuit output protection
- LabVIEW drivers available



Generate waveforms with ease

The provided waveform editing software can be used to create point-by-point arbitrary waveforms via freehand or waveform math functions.



Synchronization and external triggering

Use the external 10 MHz clock input and output to synchronize your signals to a master time base.



Advanced pulse generator

The 4060 Series can generate pulses with minimum rise/fall times of 6 ns and maximum rise/fall times of 6 seconds.

Signal Generators

Function Generators/AWG

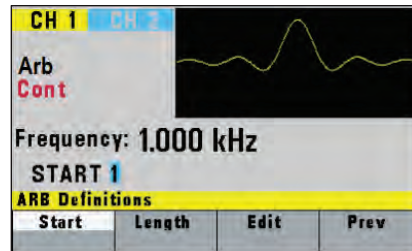
Dual-Channel Function/Arbitrary Waveform Generators

4047B



The 4047B is a versatile dual-channel 25 MHz function generator with arbitrary waveform capability. It features a true point-by-point AWG (arbitrary waveform generator) architecture to produce accurate and precise arbitrary waveforms combined with a DDS architecture offering easy-to-use conventional function generator capabilities.

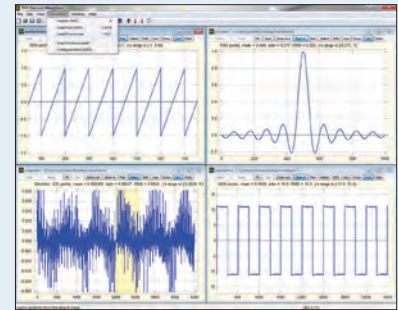
Front panel arbitrary waveform generation



From the front panel, waveforms can be defined from scratch by entering data point-by-point or by loading and modifying predefined waveforms.



Waveform editing software



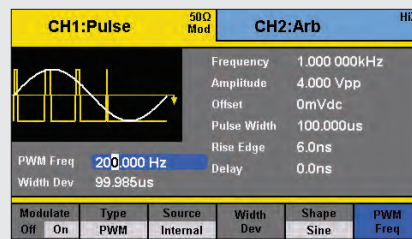
Use WaveXpress to easily generate, edit, and upload custom arbitrary waveforms to the generator via the remote interface. Generate waveforms in the software by importing a text file or define via freehand, point draw, and waveform math functions.

4050B Series



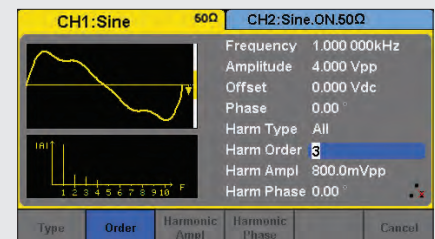
The 4050B Series dual-channel function/arbitrary waveform generators are capable of providing stable and precise sine, square, triangle, pulse, and arbitrary waveforms up to 60 MHz, using a DDS-based architecture.

Wide variety of modulation schemes



These instruments are capable of many different types of modulation for various applications.

Harmonics generator function



Generate up to 10 harmonics with independent amplitude and phase settings.

Common Features

- 4.3" color LCD display
- Two fully independent channels with individual output On/Off buttons
- Synchronize the phase of both channels with the push of a button
- Low-jitter square wave generation for simulating reliable clock signals, generating triggers, or validating serial data buses
- Linear and logarithmic sweep
- Variable DC offset
- Adjustable duty cycle
- Internal/external triggering
- Gate and burst mode
- Built-in frequency counter

Model	4047B	4053B	4054B	4055B
Sine & Square frequency range	0.01 Hz - 25 MHz	1 μHz - 10 MHz	1 μHz - 30 MHz	1 μHz - 60 MHz
Amplitude	0 - 10 Vpp into 50 ohms for entire frequency range	0 - 10 Vpp into 50 ohms, ≤ 10 MHz 0 - 5 Vpp into 50 ohms, >10 MHz		
Modulation	AM, FM, FSK, PM, PWM	AM, DSB-AM, FM, PM, ASK, FSK, PSK, PWM		
Vertical resolution	14 bit			
AWG architecture	True point-by-point AWG	DDS-based AWG		
Sample rate	125 MSa/s	150 MSa/s		
Arbitrary waveform length	16 kpts			
Built-in arbitrary waveforms	9	196		
Dedicated waveform keys	√	-		
Channel tracking	-	√		
Harmonics generator	-	√		
Ext 10 MHz reference I/O	-	√		
Remote interface	USB (Virtual COM)	LAN, USB device (USBTMC), USB host interface		

Signal Generators

Digital (DDS) Function Generators



Model 4005DDS



Model 4013B



Model 4045B

The 4005DDS is a versatile 5 MHz function generator using a DDS (direct digital synthesis) design. This model is great for education and other applications that need basic waveform generation.

Features & Benefits

- Sine, square, and triangle waveforms up to 5 MHz
- Numeric keypad for quick input of frequency
- Adjustable DC offset
- Adjustable duty cycle
- Front panel push button and pull knob can attenuate output by up to 40 dB

The 4007B, 4013B, 4014B, 4040B, and 4045B DDS function generators are capable of generating stable and precise waveforms. All models provide variable output amplitudes from 0 to 10 Vpp into 50 Ω and a continuously variable DC offset to inject signals into circuits at the correct bias level. Standard features include an intuitive menu-driven front panel keypad, rotary control knob, adjustable duty cycle, and comprehensive short circuit and overvoltage output protection.

Common Features

- Sine, square, and triangle waveforms
- Bright LCD display with waveform preview
- Linear and logarithmic sweep
- Store and recall instrument settings
- Output On/Off button

Additional Features (4014B/4040B/4045B)

- AM/FM modulation
- Low-jitter square wave generation for simulating reliable clock signals, generating triggers, or validating serial data buses
- Internal/external triggering
- Gate and burst mode (4040B)
- Built-in counter
- USB interface and SCPI-compliant command set
- Remote control application software provided
- Arbitrary waveform generation (4045B)

Specifications	4005DDS	4007B	4013B	4014B	4040B	4045B
Frequency (sine & square)	1 Hz - 5 MHz	0.1 Hz - 7 MHz	0.1 Hz - 12 MHz	0.01 Hz - 12 MHz	0.01 Hz - 20 MHz	0.01 Hz - 20 MHz
Output range (into 50 Ω)	10 mV - 10 Vpp					
Flatness	±0.3 dB to 1 MHz, ±1 dB to 5 MHz	±1 dB to 7 MHz	±1 dB to 12 MHz	±0.5 dB to 1 MHz, ±1 dB to 12 MHz	±0.5 dB to 1 MHz, ±1 dB to 20 MHz	
Arbitrary waveform generator	--	--	--	--	--	0.01 Hz - 20 MHz
Variable duty cycle	20% - 80% to 3 MHz for square	20% - 80% to 1 MHz for square		20% - 80% to 2 MHz for square, 1% - 99% in 1% steps for triangle		
Weight	2.3 kg	2 kg		2.5 kg		
Dimensions (W x H x D)	279.4 x 101.6 x 297.2 mm		213 x 88 x 210 mm			

Signal Generators

Performance Pulse



4033 & 4034 50 MHz Programmable Pulse Generators

The 4033 and 4034 are high performance programmable pulse generators ideal for testing digital systems and circuits based on TTL, CMOS, or ECL technologies. Both instruments generate clean and accurate pulses at up to 6 digits resolution with a repetition rate up to 50 MHz, variable pulse widths from 10 ns to 10 s, and pulse delays from 0 ns to 10 s. Output levels are adjustable from -10 V to +10 V, with pulse amplitudes settable from 0.1 Vpp to 10 Vpp into a 50 Ω load.

All parameters, modes, and functions are programmable via the front panel or remote control commands. Additionally, the pulse generators provide selectable complementary pulse and double pulse generation in continuous, triggered, gated, and counted burst modes.

Features & Benefits

- Repetition rate of 0.1 Hz to 50 MHz
- Flexible trigger modes: Continuous, Triggered (internal, external, manual), Gated Burst and External Width
- Pulse width programmable from 10 ns to 10 s
- Transition times (rise and fall times) variable from 6 ns to 100 ms
- Programmable delay and double pulse
- Predefined amplitude levels for ECL, TTL, and CMOS signals
- Store up to 99 different test setups with auto retention of last power down setup
- Pulse amplitudes up to 10 Vpp into 50 Ω output
- Programmable via GPIB and RS232
- SCPI compatible

Dual-Channel Model 4034

Users can save cost and bench space with two independent channel outputs. Both channels offer full functionality and all parameters such as pulse width and transition time can be set individually. The channels can also be synchronized with the push of a button.

Applications

- Automatic Test Equipment (ATE)
- Avionics and radar testing
- Switching power supply testing
- Characterization of active components

Specifications	4033	4034
Channels	1	2
Frequency	0.1 Hz to 50 MHz	
Period	40 ns to 10 s (25 MHz to 0.1 Hz repetition rate)	
Width	10 ns to (Period - 10 ns)	
Delay	0 ns to (Period - Width - 10 ns)	
Duty Cycle	1% - 99%	
Amplitude	0.1 V to 10 Vpp into 50 Ω load (20 Vpp max into open circuit)	
Transition Times	<6 ns to 100 ms variable. Leading and trailing edges settable separately and limited to 20:1 ratio between settings into one of the following ranges: 5 ns-100 ns; 50 ns-1.0 us; 500 ns-10 us; 5.0 us-100 us; 50 us-1.0 ms; 500 us-10 ms, 5 ms - 100 ms	

Signal Generators

Analog & Handheld



Model 4040A

Analog Function Generators

These analog function generators offer familiar controls, stable output, and reliable operation at budget-saving price points. While DDS generators have eclipsed analog generators at the high end, these analog generators are the workhorses of industry, education, and hobbyists.

Common Features & Benefits

- Variable output: 10 Vpp into 50 Ω (includes a 20 dB attenuator)
- TTL/CMOS output
- Adjustable DC offset
- Sine/square/triangle/ramp/pulse outputs

Models 4011A and 4012A are popular 5 MHz generators for general bench and lab use with an ideal mixture of features at a compelling price. The 4012A is identical to the 4011A, but with a sweep function added.

Specifications	4001A	4003A	4010A	4011A	4012A	4017A	4040A
Frequency range (sine)	0.5 Hz - 3 MHz		0.2 Hz - 2 MHz	0.5 Hz - 5 MHz		0.1 Hz - 10 MHz	0.2 Hz - 20 MHz
Frequency resolution	--	5 digits	--	4 digits			5 digits
Distortion	<2%, 1 Hz - 100 kHz		4% typical at 1 kHz				≤3% typical at 1 kHz
VCG	--	√	√	√	√	√	√
AM/FM modulation	--	--	--	--	--	--	√
Linear/Log Sweep	--	--	--	--	√	--	√
Burst	--	--	--	--	--	--	√
Counter	--	up to 20 MHz	--	--	--	--	up to 30 MHz
Weight	2.5 kg		1.8 kg			2 kg	
Dimensions (W x H x D)	275 x 90 x 300 mm		298 x 114 x 264 mm			298 x 140 x 264 mm	



Model 3003

20 Hz-150 kHz Sine/Square Wave Audio Generator

The 3001 generates low-distortion sine waves at 46 discrete frequencies. Frequency accuracy is 3% from 20 Hz to 100 kHz. The unit is powered by a 9 V battery.

10 MHz Handheld Sine & Square Wave Signal Generator

The 3003 generates up to 10 MHz sine (adjustable amplitude from 0 to 4.5 Vpp, no load) and TTL square waves using DDS technology in steps of 0.1 Hz. Output frequency accuracy is 0.02%. The sine and square waves are available simultaneously from separate BNC female connectors. A 9 V battery supplies power or an external 6-9 VDC adapter can be used.

10 MHz Pulse Generator with 4-digit LED Display

The 4030 pulse generator supplies positive and negative 0.5-5 V pulses into 50 Ω at up to 10 MHz pulse repetition frequency (pulse periods from 100 ns to 100 ms). Pulse widths are continuously variable between 50 ns and 50 ms and the pulses have rise and fall times of 12 ns.

150 MHz RF Signal Generator

The 2005B supplies sine wave outputs from 100 kHz to 150 MHz (harmonics usable to 450 MHz) at up to 100 mV (RMS). An external crystal can be plugged in for precise frequency control. The output is provided via a BNC female connector.

Specifications	3001	3003	4030	2005B
Frequency Range	20 Hz - 150 kHz	0.1 Hz - 10 MHz	0.1 Hz - 10 MHz	100 kHz - 150 MHz
Output Voltage	> 1.2 V rms at max setting (no load)	0 to 4.5 Vpp (no load) (sine) 5 Vpp (no load) (square)	1 - 10 V	up to 100 mVrms
Output Impedance	600 Ω	50 Ω	50 Ω	50 Ω - 200 Ω
Weight	200 g	0.9 kg	2.5 kg	2.5 kg
Dimensions (W x H x D)	82 x 150 x 21 mm	97 x 145 x 38 mm	26.2 x 11.2 x 31.5 mm	250 x 150 x 130 mm

BK PRECISION

22820 Savi Ranch Parkway, Yorba Linda, CA 92887

www.bkprecision.com

Copyright© B&K Precision Corporation 2017. All rights reserved.

Other company and product names may be trademarks of their respective owners.

Specifications and other information in this catalog subject to change without notice.

