Pulse Generators

50 MHz Single and Dual Channel Programmable Pulse Generators

Direct Digital Synthesis (DDS) function generators are capable of generating waveforms with high signal precision, stability and accuracy that can be varied from 0 to 10 V into 50 Ω. Standard features include a menu-driven front panel with keypad, fully adjustable duty cycle, DC offset and comprehensive output protection.

**Models 4007B/4013B — 7 MHz/12 MHz DDS Sweep Function Generators**

- Selectable Frequency from 1 Hz to 5 MHz
- Sine, Square, Triangle Waveform Output
- Bright, Easy-to-Read LED Display
- Number Keypad
- Convenient Waveform Keys
- Adjustable Duty Cycle and DC Offset

**Models 4014B/4040B/4045B — 12 MHz/20 MHz DDS Sweep Function Generators with AM/FM**

- Large Graphic Color Display
- Linear and Log Sweep
- Up to 20 MHz Frequency Range (Sine and Square Only)
- SCPI Remote Command Interface
- Sine, Square, Triangle and Ramp Waveforms
- 16-Bit Adjustable Duty Cycle and DC Offset
- Convenient Waveform Keys

**DDS Sweep Function Generators**

- Stock No.
- Mfr.’s Type
- Frequency
- EACH

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<th>Stock No.</th>
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<th>Frequency</th>
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<td>70285449</td>
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**Dual Channel Function/Arbitrary Waveform Generators — 4060 Series**

The new B&K Precision 4060 Series Dual Channel Function/Arbitrary Waveform Generators are capable of generating stable and precise sine, square, triangle, pulse, and arbitrary waveforms. Designed with an advanced DDS architecture, these generators are capable of producing pulses with very low jitter and faster rising and falling edges than your ordinary DDS generator. Additional features include an intuitive user interface with numeric keypad, easy-to-read color display, linear logarithmic sweep function, extensive modulation and triggering capabilities, and a built-in 100 MHz counter. A high performance arbitrary waveform generator offers 14-bit resolution with a sampling rate of up to 500 MSa/s and up to 512 kpts of memory. USB host and device ports are also provided for remote PC control and quick saving/recalling of instrument settings and waveforms.

- 14-Bit, 320 MHz, 16 kpts Arbitrary Waveform Generator
- 14-Bit, 500 MHz, 512 kpts Arbitrary Waveform Generator
- 120 MHz (4064), or 160 MHz (4065)
- Large 3.5” LCD Color Display with Waveform Preview
- Linear and Log Sweep
- GPIB Connectivity with Optional USB-to-GPIB Adapter
- SCPI-Compliant Command Set
- USB Device Interface and Front Panel USB Host Port
- Built-In Counter
- Programmable Delay and Double Pulse
- Adjustable Duty Cycle
- Two Independent Channels with Individual Output
- Convenient Waveform Keys
- Number Keypad
- GPIB Connectivity with Optional USB-to-GPIB Adapter (AK40G)

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**Dual Channel Function/Arbitrary Waveform Generators — 4050 Series**

The 4050 Series Dual Channel Function/Arbitrary Waveform Generators are capable of generating stable and precise sine, square, triangle, pulse, and arbitrary waveforms. With easy-to-read color displays and an 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, 125 MHz arbitrary waveform generator. The main output voltage range of 0 to 5 V is varied from 0 to 10 V into 50 Ω (up to 20 V into open circuit) and the secondary output can be varied from 0 to 3 V (0 to 5 V into open circuit).

- 14-Bit, 125 MHz, 16 kpts Arbitrary Waveform Generator
- 12 MHz (4052), 20 MHz (4053), 40 MHz (4054), or 50 MHz (4055)
- Large Graphic Color Display
- Linear and Log Sweep
- AM, DSB-AM, ASK, FM, FSK, PM and PWM Modulation Functions
- Two Independent Channels
- Gate and Burst Mode
- Gate and Burst Mode
- Adjustable Duty Cycle
- Two Independent Channels
- Convenient Waveform Keys
- Number Keypad
- USB Device Interface and Front Panel USB Host Port
- GPIB Connectivity with Optional USB-to-GPIB Adapter
- SCPI-Compliant Command Set
- USB Device Interface and Front Panel USB Host Port
- Built-In Counter
- Programmable Delay and Double Pulse
- Adjustable Duty Cycle
- Two Independent Channels with Individual Output
- Convenient Waveform Keys
- Number Keypad
- GPIB Connectivity with Optional USB-to-GPIB Adapter (AK40G)

**Stock No.**

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