# Sweep Function Generators Can Produce Sine Waveforms from 0.1 Hz to 7 MHz

B&K Precision announced two new DDS (direct digital synthesis) sweep function generators, models 4007B and 4013B, which improve upon the former models 4007DDS and 4013DDS with an enhanced user interface as well as lower prices. Models 4007B and 4013B can generate sine and square waveforms from 0.1 Hz to 7 MHz and 0.1 Hz to 12 MHz, respectively. Both models also output triangle/ramp waveforms from 0.1 Hz to 1 MHz and provide variable output voltages from 0 to 10 Vpp into 50 ohms or 20 Vpp into open circuit. These new models offer affordable solutions to educators, technicians, and hobbyists who need low-cost, entry-level sweep function generators without compromising on quality.

Notable improvements to the interface over previous models are bright, informative LCD displays and numerical keypad for simple entry of waveform parameters. Convenient waveform and range selection buttons are provided to make adjustments quick and simple. Users can also easily navigate through the intuitive LCD display with menu function keys.

Additionally, the instruments provide linear and logarithmic sweep functions, variable DC offset from -4.5 V to 4.5 V (into 50 ohms), and adjustable 20% to 80% duty cycle up to 1 MHz for square and triangle waveform output. A Sync output is accessible on the front panel for outputting TTL level pulses synchronized to the main output.

Backed by a standard 3-year warranty, models 4007B and 4013B have built-in overvoltage protection (OVP), overcurrent protection (OCP), and short circuit protection on the main output to prevent accidental damage to the instrument.

Available immediately, B&K Precision's 4007B and 4013B DDS sweep function generators list at $375 and $425 respectively.

http://www.bkprecision.com [1]

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**Links:**
[1] http://www.bkprecision.com/products/signal-generators/4013B-12-mhz-dds-sweep-function-generator.html