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**FOR IMMEDIATE RELEASE**

## **The New Digital Delay Pulse Generator Model 565 May Reduce The Number Of Instruments Required**

**San Rafael, CA** – Berkeley Nucleonics Corporation (BNC) is introducing the Model 565, a feature-rich digital delay pulse generator. The feature set of Model 565 may eliminate the need to combine several instruments to gate, trigger, delay, and time multiple devices in a test system or experiment. The 565 provides up to eight synchronized outputs instead of the one output typical from a pulse generator. This model combines the precise timing properties of digital delay generators with the versatility of general purpose pulse generators. Traditional digital delay generators require that two channels be combined to provide precisely timed widths, but the 565 provides precise widths and delays out of each channel.



Key features that distinguish the Model 565 from its predecessors include independent bursts, dividing by N with the ability to assign a different N to each channel, setting a specific wait time after the trigger, selectively gating channels, combining the timing patterns of several channels onto one channel, referencing the timing to  $T_0$  or to any other channel, and operating each channel in any mode.

The 565 offers 500 ps timing resolution with widths and delays out to 1000 seconds. Setups can be stored within the instrument allowing reuse of frequently applied testing configurations. The 565 provides USB, RS232 and GPIB programming as standard with optional Ethernet communication.

To learn more about the Model 565's complete set of features and examine sample waveforms, see the product datasheet at [http://www.berkeleynucleonics.com/resources/BNC565\\_505.pdf](http://www.berkeleynucleonics.com/resources/BNC565_505.pdf). Founded in 1963, BNC is an internationally recognized pioneer in the development of precision test and measurement instrumentation and real-time radiation detection, surveillance and measurement equipment. Headquartered in San Rafael, California, BNC's line of products includes pulse, digital delay and light pulse generators.

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