

Re-Inventing the Pulse Generators EASE of use combined with **POWERFUL** performance

1 Touch Screen display and Soft Keyboard

The new Model 765 delivers **7" capacitive** touch screen display to the mainstream waveform generator market for the first time.

The touch-screen friendly software allows users to generate pulses quickly by a few screen touches.

The UI ergonomic approach is well balanced to offer multiple ways to operate the instrument by offering a complementary soft keyboard and a useful central knob for fine-tuning and adjustments during the set up operation.

Standard configurations may be stored on the system memory for easy configuration recalls.

2 2-4 Channels Pulse Generator

Multiple channel pulse generation is always available with the basic **Dual Channel** version or with the **Quad Channel** version.

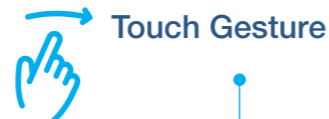
Each channel may generate pulses with rise time as low as 70 ps, thanks to the Model 765 amplifier, and frequency repetition rate from mHz to 60 MHz.

By logically combining the output channels, it is also possible to reach a max. repetition rate of 120MHz in the Dual Channel model and 240 MHz in the Quad Channel model.

Output Voltage is fully adjustable up to 5 Volts pk-pk inside a voltage window of ± 5 Volts.

The Model 765 can produce Multiple output pulses with independent repetition rate, width, delay, amplitude and polarity.

This gives the possibility to use the instrument as a digital delay generator for rescaling, synchronizing, delaying, gating and triggering multiple devices with respect to one unique event.



The output channels can be combined in order to generate multiple pulses (i.e. double pulse, quad pulse) each of them with independent timing parameters (delay, width, repetition rate).

3 Trigger, view generate and sync

Trigger events may be generated internally or captured by an external trigger source or remotely from Ethernet or GBIP connections.

The trigger output may be delayed according to the application and then, thanks to the Model 765 technology, amplified to increase the voltage dynamic from small signals inputs.

Trigger in and Trigger out may be used to synchronize multiple units to obtain several pulses and to provide a perfect solution for specific Big Physics or Military applications.

The large dynamic range combined with the fast edge rate represents a great solution for semiconductor testing as well.

BNC has a long history of knowledge in this application area.

4 SimpleRider Pulse Touch User Interface

Model 765 UI is designed for touch and it has been developed to put all the capabilities of the modern Pulse and Waveform Generators right at your fingertips.

All instrument controls and parameters are accessed through an intuitive UI that recalls the simplicity of Tablets and modern smart phones: touch features and gestures are available to engineers and scientists to create pulses or complex combination of pulses in few touches.

- The swipe gesture gives easy access to the output and pulse parameters.
- A touch-friendly virtual numeric keypad has been designed to improve the user experience on entering the data.
- Time saving shortcuts and intuitive icons simplify your setup also during pulse combination operations.

Model 765 supports the most common interfaces for remote control (Ethernet, GPIB) for easy customized instrument programming.

Model 765 Touch UI is available on all the instruments of the Rider Series product family.

