



## PulseBlasterUSB Rackmount

Portable, Programmable TTL Pulse Generator, Digital Word Generator, and Timing Engine

- 24 individually controlled digital output lines (TTL levels)
- Variable pulses/delays for every output line
- Pulses ranging from 50 ns to over one week per interval with constant pulse resolution of 10 ns
- 25 mA output current per channel
- Up to 4k pulse/pattern program memory words
- Advanced pulse program flow control
- Nested loops, up to 16 levels
- 20-bit loop counters (over 1 million repetitions at a time)
- Subroutines
- "Wait for event" function
- High maximum retriggering frequency (above 1 MHz).
- 3U Rackmount enclosure; 48 cm x 13 cm x 26 cm (WxHxD)
- Weight 6 kg.



**The PulseBlasterUSB Rackmount** is a rack-mountable or stand-alone programmable digital pulse (TTL levels), pattern, and word generator. The system has all of the features of our standard PulseBlasterUSB in an easier to use enclosure. It is plug-and-play, controlled via USB, and includes an internal power supply (universal A/C input, 100-240 V). USB drivers and C software for Windows XP and Linux are included, enabling the generation of complex pulse and pattern sequences for NMR, MRI, ultrasound, mass spectrometry, and related resonance and test technologies.

For more information, contact SpinCore Technologies, Inc. | [SpinCore.com](http://SpinCore.com)