

# NEWS RELEASE

## Pulse Research Lab

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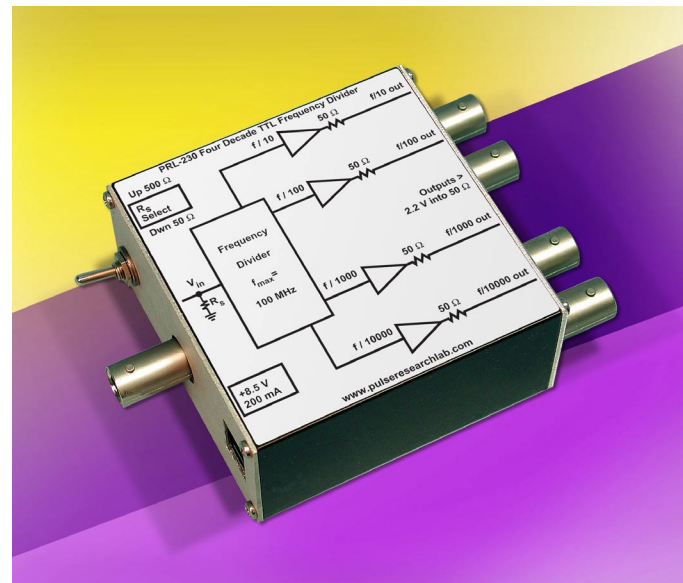
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*For Immediate Release*

## Pulse Research Lab Introduces New 4-Decade Frequency Divider

**June 6, 2005 – Torrance, CA – Pulse Research Lab (PRL) announces the PRL-230, a new 4-Decade TTL Frequency Divider.** This self-contained frequency divider pod accepts TTL clock signals from DC to 100 MHz and generates  $f/10$ ,  $f/100$ ,  $f/1,000$  and  $f/10,000$  divided outputs. All divided outputs are synchronous with the input frequency and can be used for triggering data acquisition systems, pattern generators, oscilloscopes, and networking/telecommunications devices. The compact PRL-230 can easily be cascaded with additional PRL-230 units (or other PRL frequency divider pods) for even higher division ratios.



The TTL input has a switchable 50 Ohm/500 Ohm input impedance, and can toggle up to 100 MHz. The four divided TTL outputs are back-matched and can drive terminated or unterminated loads. Each output delivers greater than 2.2 V into a 50 Ohm load.

All outputs, except the  $f/10$  channel, have square-wave outputs (50% duty cycle). For the  $f/10$  channel, the output pulse width is equal to the period ( $1/f$ ) of the input signal. The PRL-230 is ideally suited for applications that require very large division ratios, and the square wave outputs are useful for testing high-pass and low-pass filters. Applications for the PRL-230 include data acquisition, test, measurement, R&D, and system integration.

The unit includes an AC adapter and BNC or SMA connectors for ready-to-use convenience on the bench or in a system. The extruded aluminum housing can be easily mounted with the optional brackets, and up to 4 units can share a single AC adapter using PRL voltage distribution modules.

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**Pulse Research Lab**, established in 1990, provides signal buffering & translation modules for digital design, integration and testing. The company offers high-performance, affordable Basic Lab Tools and prototyping tools to professional electrical engineers, scientists, and technicians. Founder, David Kan, states, "PRL's charter has been to listen to our customers' problems and provide solutions. We've proudly and successfully been doing this for over fifteen years." For more information, please visit [www.pulseresearchlab.com](http://www.pulseresearchlab.com)