

Alrad Electronics

Press Release

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Title: PCX-9000 Series PULSED/CW LASER DIODE DRIVER

Alrad Electronics have announced the introduction of the PCX -9000 Series Pulsed/CW laser diode driver from IXYS Corporation a leader in power semiconductors for power conversion and motion control applications.



Consisting of five distinct instruments, the PCX-9000 Series features an intuitive new user interface designed to make the PCX-9000 Series easy to operate. With up to 600A of pulsed current, the PCX-9000 Series provides one of the most powerful standard current sources commercially available that is designed to drive the highest power diode lasers, bars and arrays. The instrument is air cooled and available in 200A, 400A and 600A configurations with an internal power supply option available for both the 200A and 400A units. The PCX-9000 Series is a power MOSFET based pulsed driver utilizing IXYS' power MOSFETs.

With high power, high duty cycle, pulsed applications in mind, the PCX-9000 Series is ideal for high power laser and diode test and characterization as well as scientific, industrial and other high power applications. The PCX-9000 Series features less than 100nS rise times, frequencies up to 100 KHz (25 KHz using the internal trigger), 200nS minimum pulse width, and up to 3700 watts of power. In addition, the system provides for a bias or 'simmer' current of up to 60A which can be independently triggered. Output current is continuously monitored and controlled ensuring delivery of set point current to the diode(s) and the system provides open load protection with an automatic shut down.

An innovative interface utilizes familiar cutting-edge touch screen technology that allows users intuitive control of all functions and settings, including real-time changes to pulse parameters. The QVGA display provides easy distinction of parameters and system notifications.

More information is available at the Alrad web site www.alrad.co.uk.

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