



## **Press Release**

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## **IXYS Introduces the PCX-7500 450 Amp High-Power Laser Diode Driver**

Fort Collins, CO. October 31, 2013 --- IXYS Corporation (NASDAQ:IXYS), a leader in power semiconductors, mixed-signal and digital ICs for power conversion and motion control applications, announced today the introduction of the PCX-7500 high-power laser diode driver/current source by its [IXYS Colorado](#) division. This instrument provides precision pulsed current with accurate microprocessor-based digital power control.

The PCX-7500 is an air-cooled, benchtop current source designed to drive laser diodes, bars and arrays at up to 450 amperes of current and 110 volts maximum forward voltage. Pulse widths are adjustable from 4 microseconds to 5 000 microseconds, with a frequency up to 10000 hertz. The PCX-7500 is ideal for research, laboratory, scientific and industrial applications.

Utilizing one of several communication choices standard with the PCX-7500, users can easily develop automated testing and characterization configurations which can be stored in the instrument's on-board memory. It may also be operated through its intuitive front panel controls. The color LCD provides immediate visual confirmation of all operating parameters.

### **PCX-7500 Features:**

- Output current from 10 amperes to 450 amperes
- Rise and fall times less than 15 microseconds
- Pulse widths from 4 microseconds to 5 000 microseconds
- Ability to drive both single diodes and arrays (forward voltages up to 110 volts depending on model)
- Diode and driver safety features, including overcurrent limit, open-load detection and diode steering (prevents reverse current)
- Simplified operation with intuitive touch screen interface
- Ethernet, USB and RS232 computer interfaces standard
- CE and RoHS compliant

“The PCX-7500 represents a new level in output power for IXYS Colorado’s 7000 series laser diode drivers,” said Stephen Krausse, General Manager of DEI. “This driver leverages decades of IXYS Colorado design and the power integration experience of our



parent company ([IXYS Power](#)) to deliver one of the highest current drivers available on the market today.”

The PCX-7500 is available directly from IXYS Colorado (Directed Energy) Tel. (970) 493-1901, Fax (970) 232-3025, Email [sales@ixyscolorado.com](mailto:sales@ixyscolorado.com), <http://www.ixyscolorado.com> or through your local authorized IXYS/IXYSRF sales representative.

### **About IXYS**

IXYS Corporation develops and markets primarily high performance power semiconductor devices that are used in controlling and converting electrical power efficiently in power systems for the telecommunication internet infrastructure, motor drives, medical systems, solar energy, wind energy, electrical generators and transportation. IXYS also serves its markets with a combination of digital and analog integrated circuits, RF power products and power subsystems including application-specific, embedded system-on-chip (SoC) solutions for the industrial and consumer markets.

### **Safe Harbor Statement**

Any statements contained in this press release that are not statements of historical fact, including the performance, rating, availability, reliability, operation and suitability of products for various applications, may be deemed to be forward-looking statements. There are a number of important factors that could cause the results of IXYS to differ materially from those indicated by these forward-looking statements, including, among others, risks detailed from time to time in the Company's SEC reports, including its Form 10-Q for the fiscal quarter ended June 30, 2013. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.