

**ILX LIGHTWAVE RELEASES ADDITIONAL DRIVERS
FOR HIGH POWER LASER DIODES**

BOZEMAN, Montana, January 2009 – Five new models have been added to ILX Lightwave's LDX-36000 series high power laser diode drivers. The LDX-36000-12 products join the 36000 Series high power drivers and combine high current CW or QCW output at up to 12V compliance, precision measurement and control, and multiple levels of laser diode protection for safely testing high power laser diodes. The 36000 Series offers CW current output ranges from 10A to 125A, and QCW current output from 20A to 220A with compliance voltages from 12V to 70V. New features for these models includes higher QCW output current, hard pulse capability, adjustable reverse photodiode bias, and improved set-point resolution. All 36000 Series products include photodiode and forward voltage measurement in both CW and QCW output mode.

These current sources are designed specifically for use with high power laser diodes and provide multiple levels of laser diode protection including floating outputs, adjustable voltage and current limits, output shorting relays, fast error detection circuits, and low operating and power line transients. In case of a device failure with multiple devices connected in series, low overshoot and closed-loop power supply control ensure the remaining devices are protected from transients. A thermistor based temperature monitor provides additional protection through a programmable temperature limit which can be used to disable the laser output when the temperature limit is exceeded.

The LDX-36000 Series intuitive front panel is designed for quick and easy operation. Laser diode current, voltage and temperature limits along with pulse mode parameters such as pulse width and duty cycle are quickly and easily set.

Developed for automated high power laser diode testing in CW or pulse mode, precision control and measurement and on-board data storage make these drivers ideal for fast, accurate testing of laser diode single emitters, bars, stacks and arrays in R&D and manufacturing applications.

About ILX Lightwave Corporation:

ILX Lightwave is a market and technology leader in laser diode instrumentation and test systems for research, development, and manufacturing. ILX Lightwave customers include Fortune 500 corporations, national research laboratories, government, and educational institutions. ILX Lightwave is headquartered in Bozeman, MT. As an industry leader for 20 years, ILX products offer customers the highest levels of performance and reliability. ILX Lightwave products are backed by over 60 application and technical notes and an extensive on-line knowledge base. For more information about ILX Lightwave, visit its website at www.ilxlightwave.com.

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