

**ILX LIGHTWAVE ANNOUNCES RELEASE OF  
PRECISION LASER DIODE TEMPERATURE CONTROLLERS WITH USB**

BOZEMAN, Montana, July 2009 - ILX Lightwave is pleased to announce the release of the new LDT-5500B series precision laser diode temperature controller with USB 2.0 interface. Two models are available with a choice of 24 Watt or 60 Watt output. These new thermoelectric temperature controllers offer a hybrid smart-integrator feedback loop for precise temperature control of laser diodes. The LDT-5500B accepts thermistor and IC temperature sensors, providing convenience and flexibility over a broad range of temperature control applications.

The LDT-5500B operates in constant temperature, constant resistance (sensor), or constant current mode. Attention to detail in the control loop design ensures accurate temperature control that won't drift over time in any of the instrument operating modes. The 5500B's low noise bi-polar current source reduces the noise coupled to your laser diode for precise control and measurements in your application.

The front panel of the LDT-5500B series was designed for quick and easy instrument operation. Parameters and instrument modes are grouped without confusing multi-function keys or menus. Informative error indicators such as TE module open, sensor open, and current limits let you resolve problems quickly. With ILX interconnect cabling and a wide-variety of laser diode mounts, you can set-up and control temperature of you laser diode within minutes.

Computer controlled operation is available on all LDT-5500B series temperature controllers through the new USB serial interface. Installation and control software is available at no charge. Through this software, instrument controls are organized similar to the front panel for easy, intuitive computer control and monitoring.

## **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](http://www.ilxlightwave.com).

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