

Laser Diode Instrumentation and Test Systems



ILX Lightwave offers a full line of laser diode instrumentation, laser diode test systems, optical power meters, fiber optic sources, and accessories.

Laser Diode Current and Temperature Control: Choose from the industry's widest selection of low noise, high stability laser diode current sources, temperature controllers and multi-channel laser diode controllers. Each current source comes with a full compliment of laser diode protection features plus constant current and constant power operating modes. Current modulation of up to 1MHz is also available on selected models.

For critical wavelength and temperature applications, our LDT-5948 and 5980 Temperature Controllers stabilize laser diode temperature within 0.005 °C. With over 25 laser diode mounting fixtures available for most laser diode package styles, you can set up and begin taking measurements within minutes.

Power and Wavelength Measurement: ILX Lightwave has developed the world's only power meter capable of measuring both power and wavelength. A variety of measurement heads cover wavelength ranges from 350 to 1650 nm with NIST traceable power and wavelength calibration. ILX Lightwave's patented BF-820 Bare Fiber Holder allows easy, repeatable bare fiber measurements with any of our power meters.

Laser Diode Reliability and Test Systems: Increase throughput and lower your overall cost of test with ILX Lightwave's Laser Reliability and Burn-In Test Systems for TO-can, TOSA, and COC lasers and LEDs. With up to 1024 channels in a single chamber you get the high density you need to minimize footprint and reduce cost per channel. The LRS-9424 System provides ACC, APC, and LIV test modes in a reliable, high stability system.

Fiber Optic Sources: ILX Lightwave's benchtop and multichannel fiber optic sources set the standard in EDFA, fiber optic component, and system test applications with user selectable ITU grid wavelengths, picometer resolution and stability, and up to 30 mW of high stability optical output power. These precision sources are used worldwide by today's largest fiber optic component manufacturers.

ILX Lightwave is committed to quality, performance, and innovation in laser diode instrumentation and test systems. To find out more about ILX Lightwave products and technical support resources, visit our website at www.ilxlightwave.com.



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