WAVELENGTH ELECTRONICS

Simply Advanced Control
Laser Diode Drivers & Temperature Controllers

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Maximize Drive Stability with Enhanced Photodiode Power Monitoring

Upgraded LDTC 2/2 Laser Diode Driver and Temperature Controller Substantially Improves Performance

The Wavelength Electronics LDTC 2/2 is ideal for integrated laser diode or LED modules that include temperature control, often utilized in medical diagnostic equipment, remote sensing, analytical instrumentation, military and communication design. Precision and safety in these areas is a requirement, not an option. The upgraded LDTC 2/2 has enhanced setpoint stability to fully support critical and cutting edge applications, as well as a variety of safety features.

The LDTC 2/2 is compatible with A/B type lasers and allows photodiode power monitoring in constant current mode. The unit combines the WLD3343 Temperature Controller and the WTC3243 Laser Diode Driver in one compact package that supplies 2.2 Amp of drive current to each component. Temperature is controlled by a PI loop with configurable heat and cool current limits. Laser diode drive current and limit values are configurable in both constant current and constant power mode, maximizing flexibility. The LDTC 2/2 is designed with laser diode protection features, including: remote TTL shutdown/interlock, delayed start, and current ramp. It is available as an open frame or chassis mount enclosure.

Wavelength Electronics has simplified advanced laser diode drive and thermal control technology for OEM and research applications since 1993. Our high performance specifications are supported by a team of experienced sales and design engineers and a top-notch manufacturing facility. Evaluation quantities are typically available from stock.

To learn more about the LDTC 2/2 and Wavelength's complete line of high-precision, low-noise, ultra-stable laser diode drivers and temperature controllers, call 406-587-4910, email sales@teamwavelength.com or visit our website, www.teamwavelength.com.