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## PRODUCT INFORMATION

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### **Benchtop Laser Diode Controller**

#### **Intelligent Laser Controller**

Laser Diode Current Controller:

- Operates Anode- and Cathode Grounded Laser Diodes and Photodiodes
- Operates Light Emitting Diodes (LED)
- External Modulation Input
- Analog Monitor Output for Laser Current and Laser Power
- Laser Diode Control Modes
  - Constant Current Mode
  - Constant Power Mode
  
- Laser Diode Protection Features
  - Adjustable Laser Current Limit
  - Adjustable Laser Power Limit
  - Adjustable Compliance Voltage
  - Temperature Window Function
  
- Extremely Low Laser Current Noise Figure
- High Laser Current Long Term Stability

Laser Diode Temperature Controller:

- Excellent Temperature Stability
- Digital PID Control with Separate P, I, D Settings
- Temperature Sensors
  - NTC Sensors
  - AD590 Sensors
  
- TEC Protection Features
  - Adjustable TEC Current Limit
  - Time-Out Limit
  - Temperature Window Function

Application:

Demanding diode lasers as Distributed Feedback (DFB) Diode Lasers or External Cavity Diode Lasers (ECDLs) require a highly precise, low noise, long term stable diode laser controller. Spectral linewidth as well as long term stability of these laser systems are directly determined by the laser controller. The PilotPC represents more than 15 years of experience in precision laser system development for laboratory and industrial environments.

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## CONTACT & LEGAL

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For further information about the product or support requests, please contact your local person in charge.

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