

ELC1000/1000+



The ELC series was created to provide power and cw or modulation control of laser or LED output. These low cost controllers provide the control capabilities laser users want including enable, power control, computer control, modulation, gating, and more. Enjoy more functionality of your laser modules with the ELC1000. Use combinations of the ELC1000s to control multiple illuminators at one time.

Configure the ELC1000 to set power of lasers, generate pulse delays, and interface timing with cameras and experiments.

External Laser Controller

Applications

- CW and Modulation Control of Lasers
- CW and Modulation Control of LEDs
- Interface Illuminators to Cameras
- Power Control
- Internal Modulation to 5kHz
- External Modulation
- Signal Gating
- Pulse Generator, Pulse Delay
- Single Shot
- Signal Bursts
- Arbitrary Waveforms
- Front Panel Control
- Computer Control

Features

The ELC1000 provides a convenient interface for off the shelf laser modules that require an enable signal and voltage control for optical power. The built-in menu allows power and modulation control from power control of continuous wave lasers to modulation control, camera interface, arbitrary waveforms, single shot, and gating control of signals.

Specifications

Modulation Resolution:	1mS
Inputs:	TTL
Digital Outputs:	TTL
Analog Output:	0-10V
Analog Input:	0-1V

User Interfaces

- Front Panel Menu
- USB / RS232
- WinELC Program

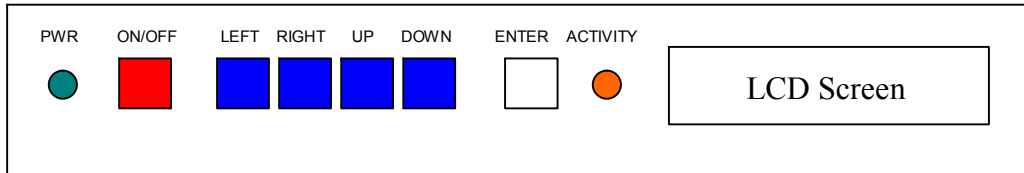
Signal Interfaces

- BNC
- DB15 Connector

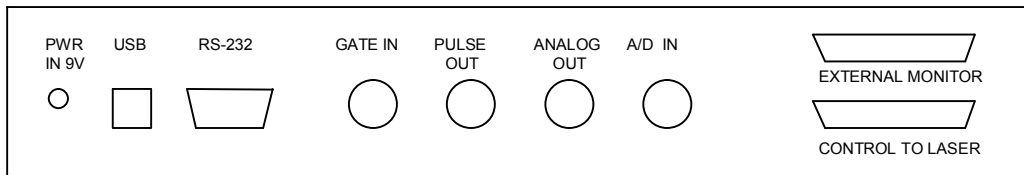
ELC1000/1000+



Front Panel



Back Panel



Modulation Modes:

Pulse Width Modulation, Gating, Single Shot, Continuous

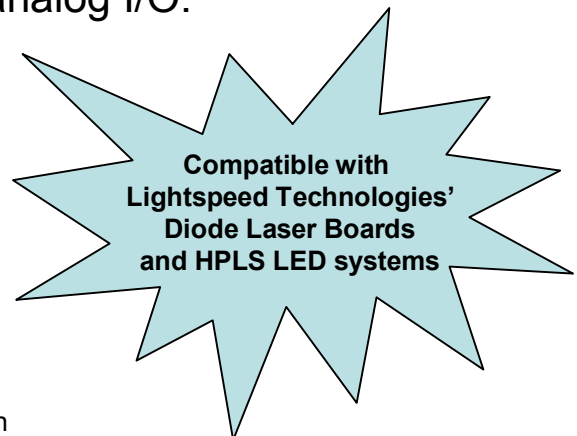
WinELC – Program provides control through graphical user using through USB or RS232 and generating sequences or arbitrary waveforms.

Complete set of commands available for user programs to control lasers as well as digital and analog I/O.

Ordering Information

Part Numbers: ELC-1000 Single Laser Controller
ELC-1000+ Includes E-Stop, Key Switch and Pointer or shutter control

Standard Enclosure, rack mountable 1U (1.75 inches tall)
Standard configurations come as desktop enclosures with rack mount option ELC-1000 is 1/2 rack width with extension panel, ELC1000+ is a full 19" rack width.



2009-6