



PRODUCT INFORMATION

MLD-1000

Modular Laser Driver for External Cavity Diode Laser Systems

The main frame of the MLD-1000 contains a toroidal transformer. This concept enables us to protect the function boards from most types of noise sources. Acceptable surge voltages are 230V/50Hz and 115V/60Hz. The power consumption is 60W.

Available are current modulation modules:

- ramp generator module,
- active stabilization module
- and computer control module

Display Module:

The display module PI-1000-DP monitors all relevant parameters which are needed for controlling diode laser systems.

Laser Driver Module:

The laser driver module PI-1000-LD contains a 200mA laser current source as well as a 2A temperature controller.

Piezo Amplifier Module:

The piezo amplifier module PI-1000-PZ is a 10x amplifier which provides -20V .. 120V for the piezo actuator within the external cavity diode laser.

Ramp Generator Module:

The ramp generator module PI-1000-RG provides an internal modulation of the piezo amplifier module for pure frequency modulation of the external cavity diode laser.

Computer Control Module:

The computer control module PI-1000-RGC is a computer controllable ramp generator. It provides an internal modulation of the piezo amplifier module for pure frequency modulation of the external cavity diode laser via the RS-232 port of any computer.

CONTACT & LEGAL



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

+ 49 (0)6421 305-0 Germany
+ 1 800 352 3639 United States, Canada

Sacher Lasertechnik GmbH
Rudolf-Breitscheid-Str. 1-5
35037 Marburg
Germany

Sacher Lasertechnik LLC.
5765 Equador Way
Buena Park, CA 90620
United States



Copyright Sacher Lasertechnik Group 2010
<http://www.sacher-laser.com>
All Rights Reserved.

Sacher Lasertechnik and the Sacher Lasertechnik logo are trademarks or registered trademarks of Sacher Lasertechnik GmbH - Germany, other countries, or both.

The Lasers Systems Lynx™, Tiger™, Cheetah™, Lion™, Cougar™, Jaguar™, Serval™, Serval Plus™ and CAT™ are trademarks or registered trademarks of Sacher Lasertechnik GmbH - Germany, other countries, or both.

Other company, product and service names may be trademarks or service marks of others. References in this publication to Sacher Lasertechnik products or services do not imply that Sacher Lasertechnik intends to make them available in all countries in which Sacher Lasertechnik operates.

