



About Us

Products

News & Events

Laser Library

Careers

Contact Us

Products

Laser Transmitters

Laser Glass

Samarium Filters

Laser Support

Contact Us

Visit L3 Kigre

DP-PS Laboratory Diode Driver



For use with MK-11, 81, 82, 85, & 88 lasers

Kigre manufactures a laboratory laser diode driver for use with the MK-88, 85, 82, 81 and MK-11 laser heads. The driver features precision pulsed current operation and supports the HESP family eye-safe laser diode requirements. A USB cable and software are provided so that the customer may use their computer as a laser controller. The driver accepts 20 to 30 volts DC and includes a convenient AC/DC power adapter for universal 100-240VAC operation. The driver also includes ultra-high performance hold-up capacitors for stable pulsed current control up to 110 Amps. Soft-start control, active current limiting, transient filtering, and a mechanical shorting relay provide robust protection for the laser.

Power Input	20-30Vdc (24Vdc typical) or 100-240VAC with supplied AC adapter
Output Current Range	1-110 A +/- 0.5A (programmable via software)
Pump Pulsewidth	<3.4mS (photodiode feedback controlled)
Pulse Repetition Rate	0-10Hz (programmable via software)
External Fire Input Signal	+5V TTL (4 to 30V, 0.5 to 3mS pulse) Optically Isolated Input
Trigger Sync Output Signal	+5V, 1mS pulse (>=50 ohm load) Synchronized with Laser Output Pulse
Size (W x D x H)	8.5" x 8.0" x 1.75" (216mm x 203mm x 44mm)
Weight	1.85 lbs (840g)
Temperature Range	0°C to +50°C (Operating)
Remote Control	External BNC connector and via USB cable
Software	Kigre LabVIEW GUI; Supported Operating Systems: Windows XP, 7, 8
Bluetooth	Optional. Contact factory for details

© Copyright 2019 L3 Technologies, Inc. All rights reserved | [Privacy Policy](#) | [Terms and Conditions](#)



L3 uses this website as a channel of distribution of material company information. Financial and other material regarding L3 is routinely posted on this website or the L3 corporate website for immediate access. Use of U.S. DoD visual information does not imply or constitute DoD endorsement.