LDP-CW 120-20
CW Driver for High Power Laser Diodes

Product Description
The LDP-CW 120-20 is a compact and efficient current supply to drive cw laser diodes. The operating range includes continuous current as well as analog modulation of the output current. If required, a simmer current from 0% to 100% of the output current can be set up easily.

The innovative current regulation concept of the LDP-CW 120-20 produces, compared to the commonly used linear regulation concept, considerably less losses. Hence, only one supply voltage is needed for the control logic and the power stage. The LDP-CW 120-20 is suitable for a very wide range of applications. Especially several redundant protective features as well as a build in selftest enable the use for medical applications.

Technical Data*

- Output current: 2 .. 120 A
- Simmer current functionality
- Compliance voltage: 1 .. 20 V
- Analog modulation up to 4 kHz
- Optionally housing available
- Stackprotector® and other protective features
- High efficiency

Optional Accessories:
- LDP-C BOB
- PLB-21

* Specifications measured with a fast recovery diode instead of a laser diode.
Technical data is subject to change without further notice.
** See manual for details

- Stackprotector® cuts the power stage from the supply
- Innovative current regulation concept actively prevents laser diode from overshoots and overcurrent
- A crowbar shorts the output in case of an error
- Integrated Soft Start
- Protection against transients through regulated current rise time
- Overtemperature shutdown
- Enable/Disable input
- Driver status output
- Protection of the laser diode against reverse currents