

**Current driver for Laser and SLD up to 2 A**  
**Integrated TEC Driver up to 2.5 A / 4 V**  
**Ethernet 10/100 Base-TX**  
**Analog interface**  
**8 – 30 V supply**  
**Stable aluminum enclosure**



The driver 1213 can be equipped with laser-diodes up to 2 A and 15 V.

The driver 1213 was especially developed for operating highly sensitive Laser with integrated peltier element. With this driver a secure operation is assured.

The driver is suitable for many laser packages. It can be operated via simple analog interface as well as over Ethernet and delivers a maximum current of 2 A. The limits for the TEC are 2.5 A / 4 V. A settable over current protection is included. The operation temperature can be set in a wide range. All parameter can be set and read via Ethernet interface. The parameter will be stored in a nonvolatile memory. The driver is supplied with 8 – 30 V.

Due to the stable enclosure the Laser is well protected. The driver is equipped with a fiber connector on the backside. A multi color LED informs the user of the operation state.

The driver can be operated in constant current (CC) or constant power (CP) mode. The constant current mode is enhanced with a pulse mode: pulse duration and pause can be set and the driver can be triggered internally or externally up to 50 KHz.

An analog power- and current monitor as well as an interlock completes the driver.



Picture 1: Back-view with FC/PC coupler



Picture 2: Front-view

Supply	8 to 30 V/DC
Laser current	300 mA, 500 mA, 1 A, 1.5 A, 2 A, overcurrent protected
TEC current	± 2.5 A, ± 4.0 V
Laser Temperature	15 °C to 40 °C, setable, stability < 0,1 °C
Ethernet Interface	RJ45, 10 Base-T / 100 Base-TX auto sensing
Analoge Interface	SUB-D 15
Analoge Input	SLD current SLD power
current monitor	Digital via Ethernet Analog
power monitor	Digital via Ethernet Analog (depends on SLD)
Interlock	Close contact
Output	Depends on equipped diode, e.g. FC / APC
suitable SLD / Laser	DIP 14 pin, Butterfly 14 pin, TOSA etc.
Operation display	Multicolor status LED
Operation mode	Constant current (CC), up to 50 KHz Constant power (CP) Analog adjustable
Control mode	Internal External
Enclosure	Aluminium
Weighth	~ 400 g, depends on Laser equipped
Dimensions	105 x 30 x 100 mm <sup>3</sup> (without connectors)