

**Current driver for Laser and SLD up to 2 A**  
**Integrated TEC Driver up to 2.5 A / 4 V**  
**USB Interface**  
**Analog interface**  
**8 – 30 V supply**  
**Stable aluminum enclosure**



The driver 0824 was especially developed for operating highly sensitive Laser with integrated peltier element. With this driver a secure and ripple-free operation is assured.

The driver is suitable for various packages (DIL, Butterfly, TOSA etc.). It can be operated via simple analog interface as well as USB and delivers a maximum current of 2 A. The maximum current for the TEC is 2.5 A. 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 USB 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 about 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/APC 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
USB Interface	Mini - B
Analog Interface	SUB-D 15
Analog Input	SLD current SLD power
current-monitor	Digital via USB Analog
power-monitor	Digital via USB 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
Weigth	170 g
Dimensions	10,4 x 2,4 x 7,2 cm <sup>3</sup> (without connectors)