Features
Driver for laser diodes
High accuracy
High current stability
Very low ripple current
Excellent dynamic performance
No overshoot, no ringing
High output impedance
Included: air cooling system

Specification Diode Unit
- Diode current: 2A...80A
- Diode voltage: 0V...26V
- Supply voltage: 15V...29V
- Output power: 1900W max.
- Accuracy: ±1%
- Temperature stability: 50ppm / °C
- Current ripple: <1%
- Settling time: <1ms
- Rise time: <200µs
- Diode current monitor: 0V...5V ≙ 0A...80A
- Diode voltage monitor: 0V...5V ≙ 0V...26V
- Auxiliary voltage outputs: +5.1V (max. 200 mA), +15V, -15V (max. 200mA each)
- Reference voltage output: +5V (max. 2mA)

Signal Inputs / Outputs
- Diode current set point 1: 0V...5V
- Diode current set point 2: 0V...5V
- Shut Down: Open Collector / TTL
- Diode current monitor: 0V...5V
- Ready: Open Collector

General Specifications
- Temperature range: 0...+45°C
- Cooling system: Air
- Dimensions (incl. heatsink): 235 x 88 x 94mm
- Weight: 2.25kg
- Ordering Code: 10100223

Description
The D 1900-80-A is a high-precision air-cooled laser diode driver.
This technology has a lot of advantages and is particularly suited for driving laser diodes.
It offers high accuracy and current stability, excellent dynamic performance, high output impedance and low electromagnetic interference.
No current overshoot or ringing arise when altering output current or when load impedance changes abruptly.
Two operating modes are available, mode Laser On/Off and mode Auto On.
The device is well suited to build up laser systems, which are controlled manually, by microcontroller system or PLC system.

Warning!
Risk of exposure of hazardous laser radiation in combination with laser light emitting devices!

Technical subjects to change without notice.