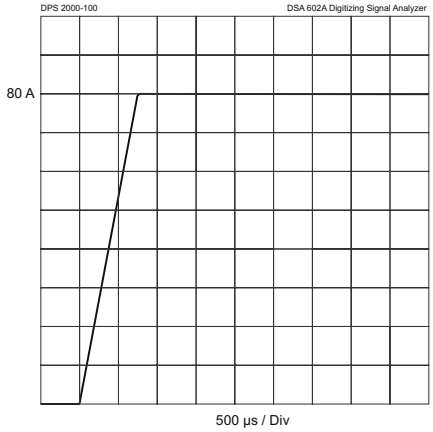
DPS 2000
2000 W CW Laser Diode Drivers

Features
Drives high power laser diodes
Ideal current source characteristic
Outstanding static and dynamic performance
Extremely low ripple current
High accuracy
Low temperature drift
Fully programmable and configurable
Integrated measurement data acquisition system
Industrial Interface
RS 232-Interface
Single-phase AC wide input range with active power factor correction
Very low EMI, no external mains filter required

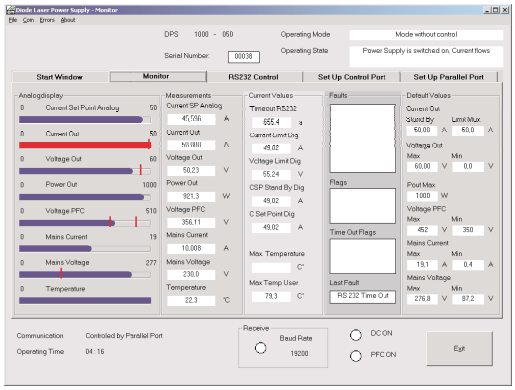


DPS 2000-020
Diode current	0 ... 20 A
Diode voltage	0 ... 100 V
Ordering Code	10100278

DPS 2000-050
Diode current	0 ... 50 A
Diode voltage	0 ... 40 V
Ordering Code	10100261

DPS 2000-070
Diode current	0 ... 70 A
Diode voltage	0 ... 28 V
Ordering Code	10100262

DPS 2000-100
Diode current	0 ... 100 A
Diode voltage	0 ... 20 V
Ordering Code	10100264



General specifications
Ripple current	0.03 %pp
Current accuracy	± 0.1 %
Current drift	± 50 ppm / °C
Supply voltage	87 ... 276 V AC
Ambient temperature	0 ... +45 °C
Dimensions	312 x 247 x 126 mm
Weight	17 kg

Description
The DPS 2000 drivers are high-precision CW laser diode drivers utilizing MPCs special technology.
This technology has a lot of advantages and is particularly suited for driving laser diodes.
It offers high accuracy and current stability, an excellent dynamic performance, a high output impedance and low electromagnetic interference.
No current overschoot or ringing arise when altering output current or load impedance abruptly.
Two interfaces are already integrated in the basic model, a Control Port and a RS 232 Port.
A Parallel Port and a CAN Port are optionally available. Both are designed as a plug-in card and can be installed subsequently.
The DPS 2000 drivers can be controlled and configured directly by means of the control- and configuration software included in delivery.

For detailed information see operating manual or visit our website.

Phone +49 (0) 8856-80306-0 Fax +49 (0) 8856-9998
www.laserdriver.eu info@laserdriver.eu