

**Data Sheet**  
**Diode High Power Driver (DPD), air cooled**

**Features**

- Modular configuration
- High accuracy und current stability
- No overshoot, no ringing
- Air cooled
- High output impedance
- Multifunctional interfaces



**Specification**

**Current output:**

- Diode current 6...240 A / 6...320 A
- Diode voltage 0...55 V / 0...26 V
- Output power max 4800...13200 W
- Accuracy ± 1%
- Temperature stability 50 ppm / °C
- Current ripple <1%
- Settling time <1 ms
- Rise time <300 µs

**Input:**

- Input voltage range Y 340~530 VAC / Δ 196~305 VAC
- Frequency range 47...63 Hz
- Power factor 0,95
- Leakage current <3,5 mA
- Inrush current 50 A

**Analog input:**

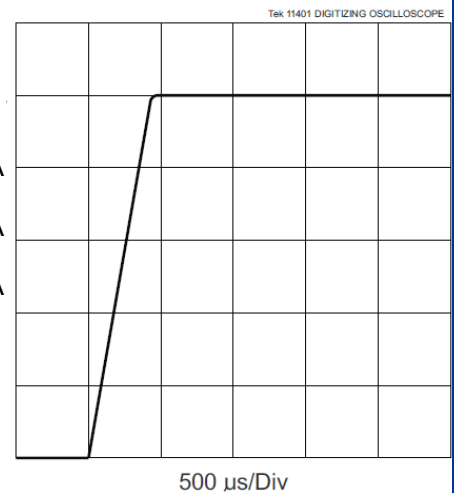
- Diode current set point 0...5 V ^ 0...240 A / 320 A

**Analog outputs:**

- Diode current monitor 0...5 V ^ 0...240 A / 320 A
- Diode voltage monitor 0...5 V ^ 0...55 V / 26 V
- Diode current set point limit 0...5 V ^ 0...240 A / 320 A

**General Specifications**

- Ambient temperature 0...+45°C
- Cooling Air
- Dimensions (DPD-housing, without terminals) 517 x 439 x 264 mm
- Weight 39,5 kg



**Description**

The DPD is a modular CW high power laser diode driver. The DPD has multifunctional interfaces (USB, RS232) and can be operated via software (external PC, internal computer) or via hardware. DPD can also be operated with an external trigger input.

**Available configurations**

Diode voltage <26 V	Diode voltage <55 V
160 A	120 A
240 A	180 A
320 A	240 A

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



More technical details and applications see operating manual.  
Technical subjects to change without notice.