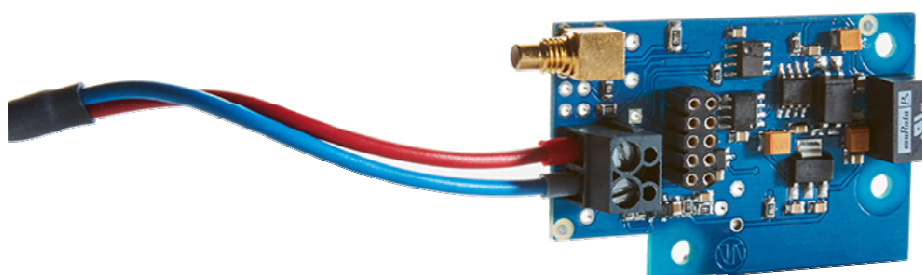




# User Manual

## LDP-V KIT



PicoLAS GmbH  
Burgstr. 2  
52146 Würselen  
Germany

Phone: +49 (0) 2405-64594-60  
Fax: +49 (0) 2405-64594-61  
E-mail: [info@picolas.de](mailto:info@picolas.de)  
Web: [www.picolas.de](http://www.picolas.de)



## LDP-V KIT

Rev. 1905

Accessory Package for LDP-V & LDP-AV Series (except LDP-V/-AV 10-/40-70)



- Compatible with most LDP-V and LDP-AV drivers
- 15 V / 2 A wall power supply
- Two SMC-BNC 50  $\Omega$  cables (1.2 m) for pulse trigger input and current monitor connection

### Product Description

The LDP-V KIT includes a wall power supply according to the power requirements of the driver. It can be directly attached on top of the drivers of the LDP-V and LDP-AV series (except LDP-V/-AV 10-/40-70).

Furthermore, two SMC-BNC cables are included to connect the trigger input and current monitor of the driver.

### Technical Data\*

Supply voltage	+15 V, 2 A DC
Input voltage	110 .. 230 V AC (50 .. 60 Hz)
Dimensions in mm	36 x 55 x 17
Weight	320 g
Operating temperature	-20 to +55 °C

\* Technical data is subject to change without further notice.

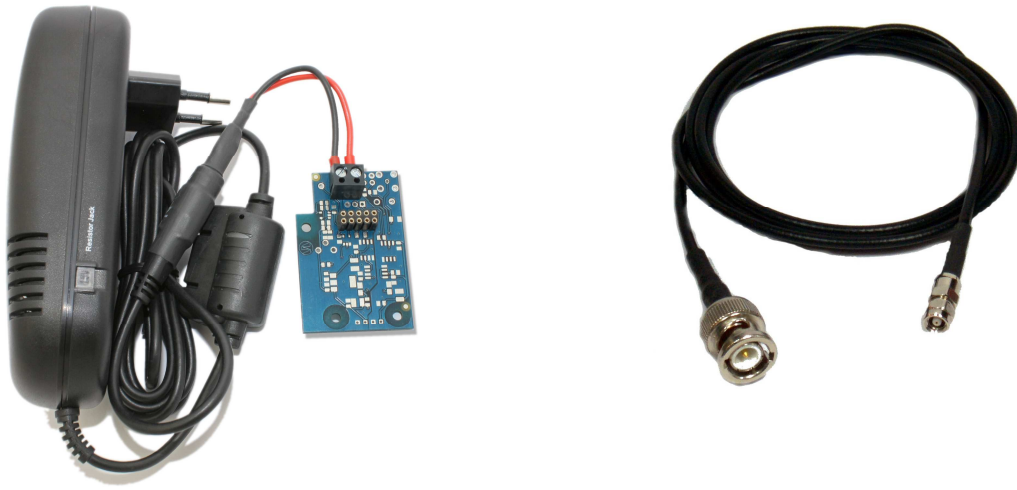
Compatible Products:

- LDP-V 03-100
- LDP-V 50-100
- LDP-V 80-100
- LDP-V 240-100
- LDP-AV D06-N20
- LDP-AV D06-N10

## Elements of the LDP-V KIT

The LDP-V KIT includes a 15 V / 2 A wall power supply and two SMC-BNC cables to connect a compatible LDP-V or LDP-AV driver.

The SMC-BNC cables are used to connect the trigger input and current monitor output. The wall power supply provides the supply voltage for the driver.



## Connectors of the KIT

### Supply Voltage:

Connect the power supply for the KIT and the driver to the two pin screw terminal. Pay attention to the correct polarity!

### High Voltage Input (optional):

Connect the external high voltage power supply for the driver to the two pin screw terminal. Pay attention to the correct polarity!

Disable the integrated HV supply on the driver!

**Security Advice:** Do not touch any leads of the HV input connector and the driver connector as they are connected to a high voltage of up to 125 V; even if no external high voltage is applied!

## Mounting of the KIT

First connect the SMC-BNC cable to the trigger input and the trigger source. Connect the second SMC-BNC cable to the current monitor and an oscilloscope. Then mount the LDP-V KIT directly on top of the driver. The 10 pin female connector on the KIT must fit onto the connector of the driver. The three mounting holes on the KIT must fit on the corresponding screw terminals of the driver.

## Absolute maximum Ratings

HV input 0 .. 125 V\*

Supply voltage 0 .. 15 V\*

\*The connected driver's limits have to be obeyed. See driver datasheet and user manual for exact specification.