

Application Note # 05: LDP-V-xxx, PLCS-21 and PLB-21


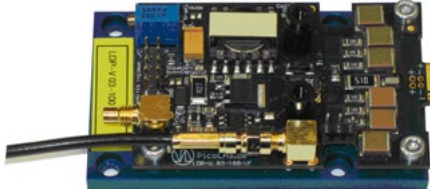
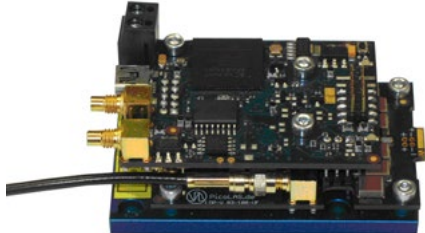
Related Products: LDP-V 03-100 UF V3 LDP-V 50-100 V3 LDP V 240-100 V3

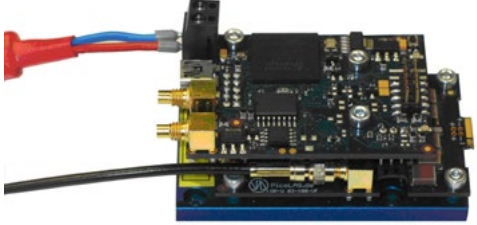
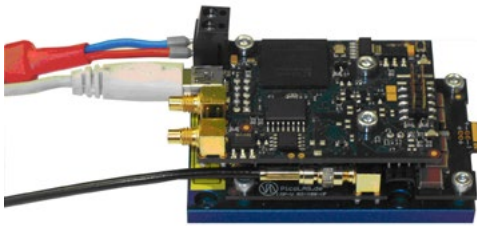
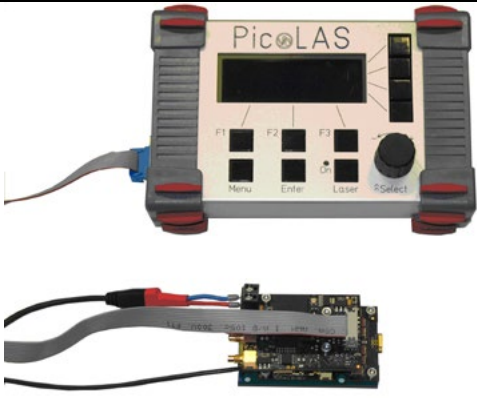
This application note describes briefly how to connect a PLB-21 via the PLCS-21 to the different LPD-V series laser diode drivers.

- The PLCS-21 acts as a function generator and a RS232 translator.
- The PLB-21 is a human interface that allows for easy evaluation and testing, you can easily modify operation parameters of your laser diode.

The PLB-21 can not be connected to any LDP-V or LDP-AV directly.

Please refer to the separate manual for connecting the PLB-21 to the LDP-C/CW 18/40-05.

What to do ?	Picture
Unpack your driver.	
Connect the current monitor cable to the current monitor SMC socket on your driver. Please terminate the Scope with 50 Ohm. Cables are part of the LDP-V-Kit Refer to the scope scaling printed beneath the socket. (i.e.	
Plug the PLCS-21 onto the top of the LPD-V driver and fix it with two M3 screws (delivered with the PLCS-21)	

<p>Connect the leads of the power supply unit to the PLCS-21.</p> <p>You may take the wall-plug converter that is part of the LDP-V kit for powering the device.</p>	
<p>Option 1:</p> <p>Connect the driver via USB to a PC. Please refer to the PLCS-21 manual for the terminal-settings. The LDP-V-xx is powered through the PLCS21.</p>	
<p>Option 2:</p> <p>You can connect the PLB-21 onto the PLCS-21. The PLB-21 and the LDP-V-xx are powered through the PLSC-21.</p>	
<p>Never connect both, USB and PLB-21, at the same time. In this case the PLB-21 would be electronically disconnected and state that it is "waiting for a device".</p>	