2 Operation

2.1 Operating elements

1. LED "LDA"  Selected polarity of the laser: anode grounded
2. LED "LDC"  Selected polarity of the laser: cathode grounded
3. 4½-digit LCD display
4. LED "mA"  Display is laser current (mA)
5. LED "mW"  Display is laser power (mW)
6. LED "OPEN CKT"  Indicates no laser diode connected
7. LED "LIMIT"  Adjusted current limit reached
8. LED "ENABLE"  Laser current is switched on
9. "ENABLE" Button  Enables the laser current on or off
10. Knob for adjusting the set value
11. Line switch
12. LIM I  Potentiometer for setting the current limit
13. CAL  Potentiometer for calibrating the power display
14. LED "PLD"  Displaying the optical output power
15. LED "IPD"  Displaying the photodiode current
16. LED "ILD"  Displaying the laser current
17. LED "ILIM"  Displaying current limit
18. DOWN Button  Used for selecting the display parameter

---

19. UP Button  Used for selecting the display parameter
20. LED "P"  Constant power mode
21. LED "I"  Constant current mode
22. "P" Button  Selecting constant power mode
23. "I" Button  Selecting constant current mode
24. PD RANGE  Potentiometer for setting the photodiode current range

---

Fig. 2.1 Displaying- and operating elements at the front panel

Fig. 2.2 Operating elements on the rear panel

1. Modulation input/ analog control input "MOD IN"
2. Control Out (Laser Current Monitor)
3. Ventilation Fan
4. Connector for chassis ground
5. Connector "LD OUT" for laser diode, photodiode, interlock, status-LED (DB9F)
6. Switch "LD POL" for selecting the laser diode polarity
7. Serial number of the unit
8. Letterplate displaying the allowed line voltage
9. IEC 320 AC power receptacle and fuse holder