

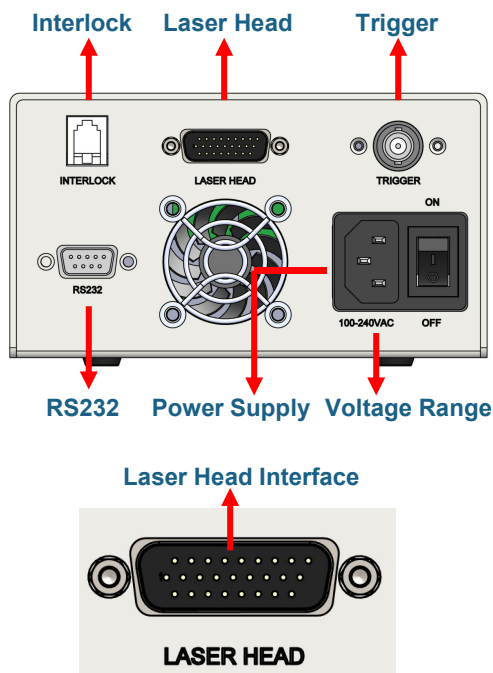
LASER POWER SUPPLY PSU-SR



● Features

1. PWM switching mode, high efficiency and fast response;
2. High impedance of modulation port, use low current TTL signal control switch;
3. Temperature closed-loop controls it close to zero drift;
4. Multiple options for power regulation: digital knob or 0-5V analog signal;
5. Overcurrent, overvoltage and overheat protection included;
6. Equipped with temperature linkage alarm, automatically stop control;
7. With OLED display, switch power and modulation mode easily;
8. Integrated RS232 option provides communication protocol;
9. High stability, high anti-interference, low noise;
10. High efficiency, low heat.

● Electrical Interface



Function	Pins
LD+	14、22、23
Circumstances RT+	4
FAN+	5
LD-	24、25、26
Circumstances RT-/FAN-	3
LDTEC+	10、11
LDTEC-	19、20
Crystal TEC+	9、18
Crystal TEC-	8、17
Crystal RT+	7
LDRT+	6
LDRT-/Crystal RT-	2
PD-	3
PD+	1

● Specification

Model	PSU-SR
Maximum output current (constant current source)	10A
Maximum output voltage	12V (with function of self-adapting diode laser voltage)
Current adjustment range	0-10A
LCD display	Current/Power
Temperature control function(dual PWM controlled refrigeration)	LD refrigeration & Crystal refrigeration
Temperature control method	Thermal Electronic Cooler(TEC)+air cooling
Thermistor (NTC)	10K@25℃
Precision of temperature control	±0.05℃
Protection function	Open circuit, Overcurrent, Overheat
Defensive function	Anti-surge, anti-ripple, anti-spike and anti-static
Alarm function	Alarm LED light up, LD current off
Operating mode	TTL/Analog
Power supply input voltage	AC 100-240V
RS232 control	Connect computer to control laser power and monitor laser working state.
Rated power of power supply	40W
Dimensions	152 (L) × 145 (W) × 80(H) mm ³
Application	Suitable for diode and all solid state lasers with voltage within 12V and current within 10A
Warranty	1 Year

● Dimensions of Power Supply

