

LASER POWER SUPPLY PSU-A-D

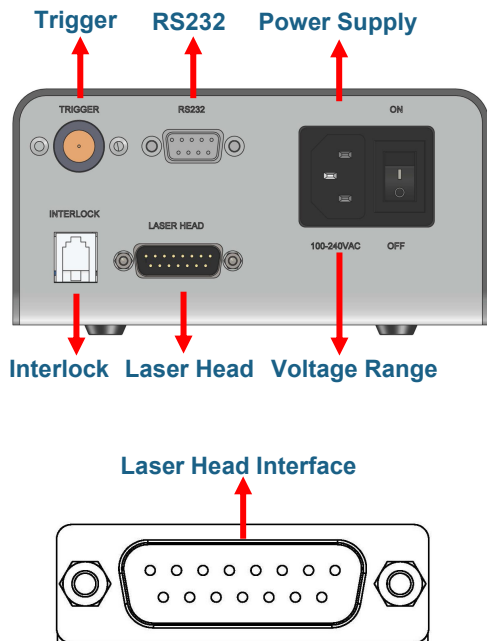
● Photograph of Product



● 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



Pins	Function
1、2	LD+
9、10	LD-
14	LDTEC-
12	Crystal RT-
6	Crystal RT+
8	Crystal TEC+
7	LDTEC+
13	LDRT+
12	LDRT-
15	Crystal TEC-
11	PD-
3	PD+

● Specifications

Model	PSU-A-D
Maximum output current (constant current source)	3A
Maximum output voltage	5V (with function of self-adapting diode laser voltage)
Current adjustment range	0-3A
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	Surge, ripple and spike protection, anti-static
Alarm function	Alarm LED light up, LD current off
Operating mode	TTL/ Analog
Power supply input voltage range	AC 100-240V
RS232 control optional	Connect computer to control laser power and monitor laser working state.
Rated power of power supply	15W
Dimensions	162(L) × 144(W) × 70(H) mm ³
Application	Suitable for diode and all solid state lasers with voltage within 5V and current within 3A
Warranty	1 Year

● Dimensions of Power Supply

