



# FL-1064-8W/10W Operating Manual

## I. Product component and accessories list

1. Laser head



2. Laser power supply

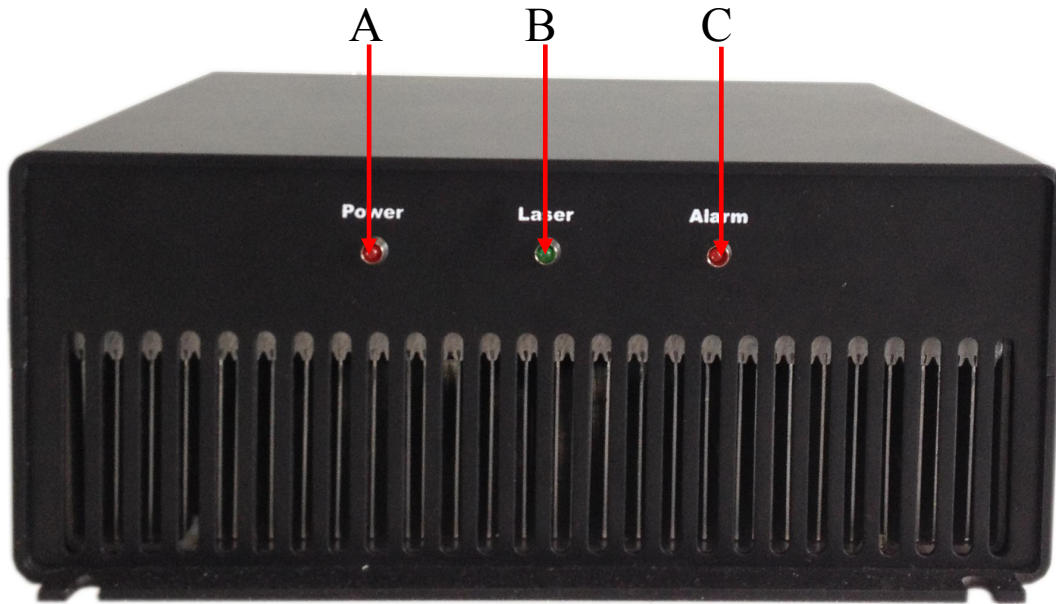


3. 12V 25A switching power supply

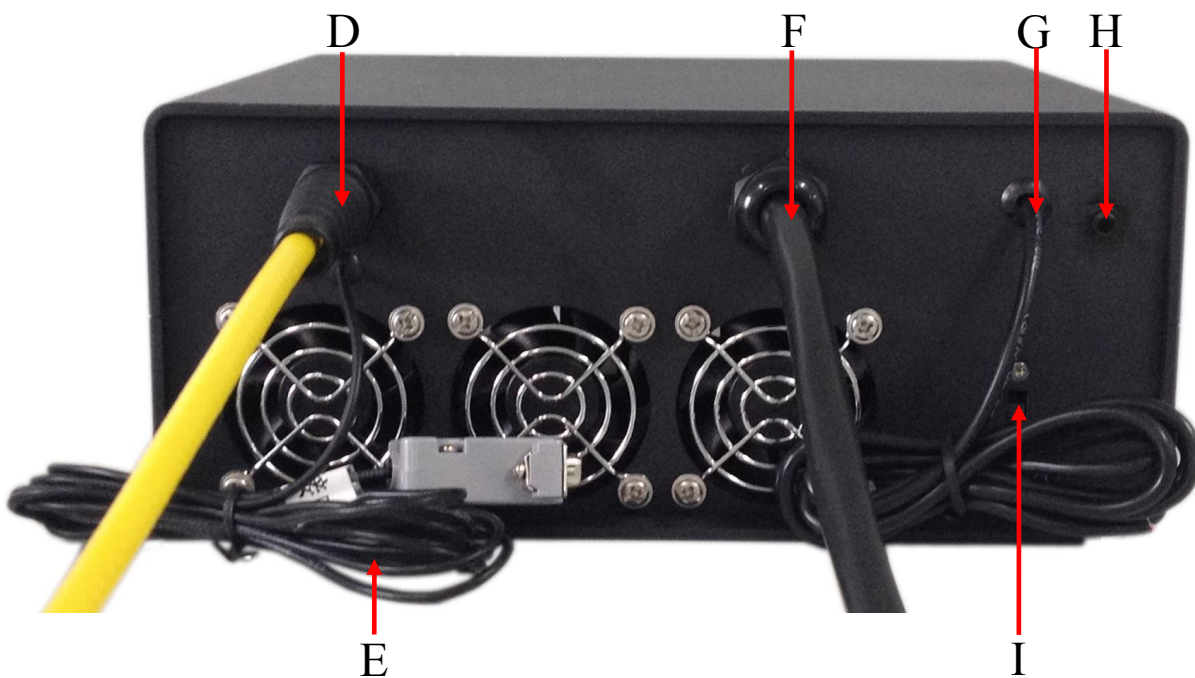


## II. Power supply function introduction

### The front panel of power supply



### The back panel of power supply



## Function introduction

	Name	Function
A	Power indicator light	When an external switching power supply input the 12V/25A DC Voltage to laser power, the power indicator light on.
B	Working indicator light	When the laser starts to work, the working indicator light on.
C	Emergency protection light	When the laser overheating or overcurrent will cause the laser power protection, then emergency protection light on. When the laser work properly, emergency protection light off.
D	Optical fiber connectors	Optical fiber connectors used for fixed optical purposes, the optical fiber has been fixed, do not pull out, bending or impact the fiber, these behaviors will damage the laser.
E	Fan line	Please ensure connect the power supply and laser head with fan line tighten before using laser, otherwise will seriously lower the laser cooling effect.
F	Power supply line	Connection 12V 25A switch power supply.
G	Signal modulation line	Enter the external signal.(attachment ) When an external modulation signal input (0V) in the low level signal, laser without power output; When an external modulation signal input to the high level signal (5V), the laser will full power output.
H	Marking the first line adjusting knob	Used to adjust the marking the first line about the strong or weak of the effect, clockwise adjust will enhanced the first marking effect, counterclockwise adjust will weaken the first marking effect.
I	Shift switch	When shift switch on up position, laser CW output, please don't use the signal connection; When shift switch on down position, laser modulation output, laser marking signal can be connected.

# Attachment

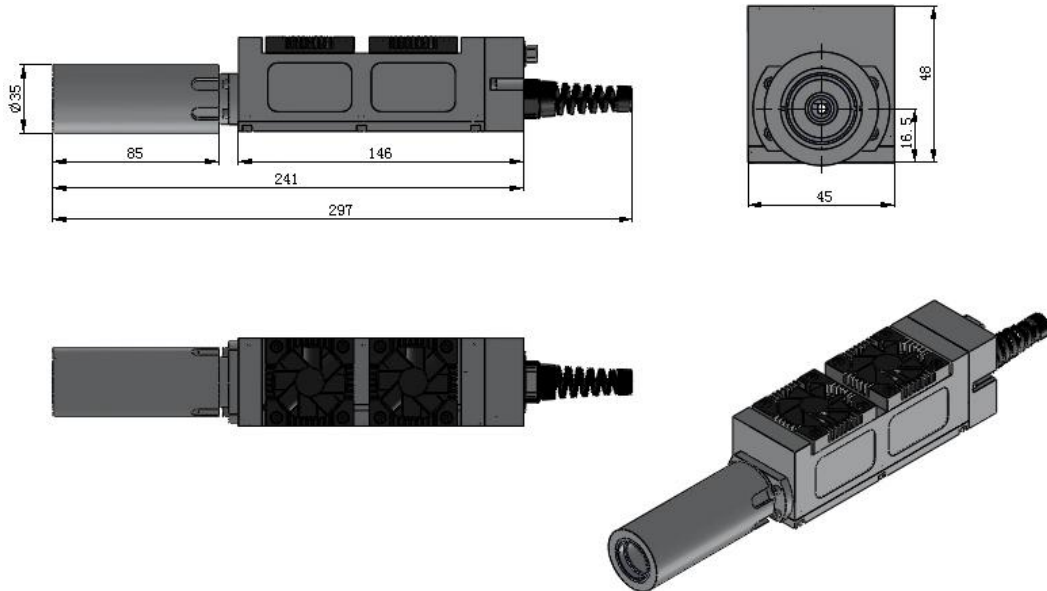
(Signal modulation line connection mode)

**FL-1064-8W/10W**

Signal modulation line	Marking control card	color
External modulation signal+	Laser/ Laser0+/PWM+	red
External modulation signal-	GND	black

### III. assembly drawing

#### 1. Laser head assembly drawing



#### 2. Power supply assembly drawing

