

# LASER HELMET WITH ADF

## INSTRUCTIONS FOR USE AND CARE



Parameter of the laser helmet with ADF:

Application	1060-1080nm laser machine
Model	LP-YL-HMADF
Protective Wavelength	950-1100nm
Operating temperature	-10℃ -60℃
Storage temperature	-10℃ -30℃

### Preparation and Operation:

The laser helmet with ADF comes fully assembled and ready to use, requiring only a few minor adjustments. Each helmet is equipped with a comfortable headband that can be adjusted by the user in the following ways:

#### 1. Headband Adjustment

The size of the headband can be adjusted manually to fit different head sizes. Simply rotate the knob on the back of the head (labeled "A" in the picture) to adjust the tightness until the headband feels comfortable.

#### 2. Helmet Tilt Adjustment

The tilt angle of the helmet can also be adjusted manually to fit the face. Rotate the left and right knobs simultaneously (labeled "B" and "C" in the picture) to adjust the helmet's up-and-down angle and window position, ensuring a proper fit and viewing angle.

#### 3. Auto-Darkening Filter (as shown in the picture below)



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## 4. Detailed Guide to ADF (Auto-Darkening Filter) Button Controls



4.1. When Button ④ is set to "GRIND," the auto-darkening function is disabled, and Buttons ①, ②, and ③ are inactive. This corresponds to grinding mode.

4.2. When Button ④ is switched to the "5-9" or "9-13" range, Buttons ①, ②, and ③ become active, and the unit enters welding mode. The "5-9" and "9-13" ranges represent two distinct modes for adjusting the dark-state shade levels.

4.3. Button ① controls the sensitivity of the auto-darkening sensor. Setting the dial to the minimum position results in the lowest sensitivity, while setting it to the maximum position results in the highest sensitivity.

4.4. Button ② controls the dark-state shade level.

When Button ④ is set to the "5-9" range, Button ② allows adjustment to shades 5, 6, 7, 8, or 9.

When Button ④ is set to the "9-13" range, Button ② allows adjustment to shades 9, 10, 11, 12, or 13. Higher shade numbers correspond to a darker filter state.

4.5. Button ③ controls the delay setting, which determines the time required for the filter to transition from the dark state back to the normal (clear) state. The adjustable delay ranges from 0.2 to 1 second. Setting the dial to the maximum position results in a 1-second delay, while setting it to the minimum position results in a 0.2-second delay.

### Note:

This auto-darkening filter unit is powered by two CR2032 3V batteries, providing an estimated continuous operating life of over 1,000 hours.