

Awelco 1500-G

AWELCO 1500-G Automatic LCD Welding Helmet

INSTRUCTION MANUAL

Introduction

This manual provides essential information for the safe and effective use of your AWELCO 1500-G Automatic LCD Welding Helmet. This helmet is designed to protect your eyes and face from sparks, welding spatter, and harmful radiation during welding operations. Please read these instructions carefully before use and keep them for future reference.

Safety Information

Your safety is paramount. Always adhere to the following safety guidelines:

- This helmet is intended for welding protection only. Do not use it for other purposes.
- Ensure the helmet is properly fitted and adjusted before commencing any welding task.
- Inspect the helmet and lens for any damage before each use. Replace damaged parts immediately.
- The auto-darkening filter automatically switches from a transparent state to a dark state when the welding arc is struck, and returns to transparent when the arc is extinguished.
- Do not expose the helmet to extreme temperatures or corrosive substances.
- Always wear appropriate personal protective equipment (PPE) in addition to the welding helmet.

Product Overview

The AWELCO 1500-G welding helmet features an automatic LCD filter powered by high-efficiency solar cells and two internal 3V lithium batteries. It offers adjustable shade levels for various welding applications.



Figure 1: Front view of the AWELCO 1500-G Automatic LCD Welding Helmet. The image shows the black helmet with the auto-darkening filter visible, featuring a purple tint. The AWELCO logo is visible on the top front of the helmet.

Setup

1. **Unpacking:** Carefully remove the welding helmet from its packaging. Inspect for any shipping damage.
2. **Headband Adjustment:** Adjust the headband to ensure a comfortable and secure fit on your head. The helmet should sit firmly without being too tight.
3. **Initial Power Check:** The electronic device is powered by high-efficiency solar cells and contains two internal 3V lithium batteries. These batteries are designed for long-term use and typically only require replacement after many years. Ensure the solar cells are exposed to light to maintain charge.
4. **Shade Level Setting:** Before welding, set the desired shade level using the adjustment knob (DIN 4/9-13). Refer to welding standards for appropriate shade levels for your specific welding process.

Operating Instructions

1. **Pre-Weld Check:** Before striking an arc, ensure the helmet is in the transparent state and the auto-darkening function is ready.
2. **Welding:** Position the helmet over your face. As soon as the welding arc is struck, the special filter

will automatically switch to the pre-selected dark shade level.

- 3. **Post-Weld:** Once the arc is extinguished, the filter will automatically return to the transparent state, allowing you to inspect your work.
- 4. **Adjusting Shade:** The shade level can be adjusted between DIN 4/9-13. Select a shade appropriate for the amperage and type of welding being performed.

Maintenance

- **Cleaning:** Clean the helmet shell with a soft, damp cloth. Do not use abrasive cleaners or solvents. Clean the auto-darkening filter and protective lenses with a soft, lint-free cloth and a mild lens cleaning solution.
- **Battery Replacement:** The internal 3V lithium batteries are designed for extended use and typically do not require frequent replacement. If the auto-darkening function becomes unreliable, consult a qualified technician for battery replacement.
- **Storage:** Store the helmet in a clean, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

- **Filter not darkening:**
 - Ensure solar cells are exposed to sufficient light.
 - Check for damage to the filter or sensors.
 - If issues persist, the internal batteries may need professional replacement.
- **Poor visibility:**
 - Clean the protective lenses and auto-darkening filter.
 - Ensure the correct shade level is selected for the welding process.

Specifications

Brand	AWELCO
Model	1500-G
Manufacturer Reference	90356
Product Dimensions (L x W x H)	1 x 1 x 1 cm
Weight	1 Kilogram
Shade Level Adjustment	DIN 4/9-13
Power Source	High-efficiency solar cells, 2x 3V Lithium batteries (internal)
Helmet Material	High-impact resistant plastic, Polyamide
ASIN	B08LDRR6BZ

Warranty and Support

Information regarding specific warranty terms for the AWELCO 1500-G welding helmet is not provided in the product details. For warranty claims or technical support, please contact your retailer or the AWELCO

manufacturer directly. Spare parts availability information is currently unavailable.

For further assistance, please refer to the contact information provided with your purchase or visit the official AWELCO website.