

ARCCAPTAIN HSH-S800-Lion

ARCCAPTAIN Auto Darkening Welding Helmet Instruction Manual

Model: HSH-S800-Lion

Brand: ARCCAPTAIN

INTRODUCTION

This manual provides essential information for the safe and effective use of your ARCCAPTAIN Auto Darkening Welding Helmet. Please read it thoroughly before operation.

Key Features

- **Larger & Clearer Screen:** 3.86" x 1.69" viewing size with 1/1/1/1 optical clarity and true color technology. Cheater Lens / Magnifying Lens Compatible.
- **Faster Auto-Darkening:** 4 premium arc sensors, 1/25000 sec switching time. Adjustable shade and sensitivity (4/9-13).
- **Extended Service Life:** Powered by solar cells and replaceable CR2450 lithium batteries. Constructed from high-quality PA material for shock, heat, and wear resistance. Compliant with ANSI Z87.1/EN379 CE/CSA Z94.3 standards.
- **All-Day Comfort:** Lightweight (1 lb) PA material with up to 120MPa tensile strength and 4000 MPa flexural modulus. Adjustable headband with breathable padding.
- **Eye Protection:** 12-in-1 smart filter with automatic DIN 16 UV/IR protection.



Front view of the ARCCAPTAIN HSH-S800-Lion Auto Darkening Welding Helmet, featuring a red and black lion graphic design.

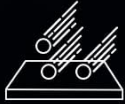
SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE) when welding. Ensure proper ventilation. Read and understand all safety warnings provided with the product.

20FT MILITARY GRADE DROP PROTECTION



Corrosion Resistant



Shock Resistant



Flame Resistant



Lightweight



Comfortable



Image highlighting the helmet's durability, showing icons for corrosion resistance, shock resistance, flame resistance, lightweight design, and comfort, with a background of rocks.

WHAT'S IN THE BOX

Item	Quantity
Welding helmet	1
Random Cool Stickers	1
Replacement Lens	3
User manual	1

TRUE COLOR

DIN4/9-13 HD LCD dimming screen

OTHERS

Optical Class:

2/2/2/2

OURS

Optical Class:

1/1/1/1

HD LCD DIMMING SCREEN

A top-down view of the welding helmet, extra lenses, and user manual laid out on a metal surface.

SETUP

Headgear Adjustment

The helmet features an adjustable headgear designed for comfort and stability. Adjust the straps and angle to ensure a snug and balanced fit, reducing pressure points during extended use.



20 Million+ Products Sold Worldwide

20+

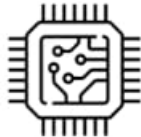
Million



Available in 100+ Countries

100+

Countries



Driving forward thinking in welding technology

20+

Years

Diagram showing the adjustable headgear with features for comfort, sweatproof material, and 130-degree antiskid adjustment.

Official ARCCAPTAIN video demonstrating the adjustment of the welding helmet's headgear for optimal fit and comfort.

Lens Installation/Replacement

The helmet is compatible with cheater lenses/magnifying lenses. Ensure the lens is clean and free from scratches for optimal clarity.

Endorsed By



MOUNTAIN EAGLE



TheWeldLab



Make & Test



Mech Master



Brandon Lund



Lakeside Autobody



WELDINGPROS
WELDING KNOWLEDGE AT YOUR FINGERTIPS!

NEWSWIRE

Diagram illustrating the slot for inserting a magnifying lens into the auto-darkening filter of the welding helmet.

OPERATING INSTRUCTIONS

Auto-Darkening Function

The helmet automatically switches from light to dark when an arc is struck. Adjust the shade level (DIN 4/9-13) and sensitivity according to your welding process (TIG, MIG, ARC) and ambient light conditions.

FAST DARKENING, NO DELAY

Upgraded dimming system, 0.04ms darkening without delay, protect your eyes away from any harm

**4 Premium
Arc Sensors**

**Response Time
1/10000s**



Image showing the helmet's fast darkening system with 4 premium arc sensors and a 1/10000s response time.

UPGRADED 12 IN 1 TECHNICAL LENS

Isolate most harmful blue lights

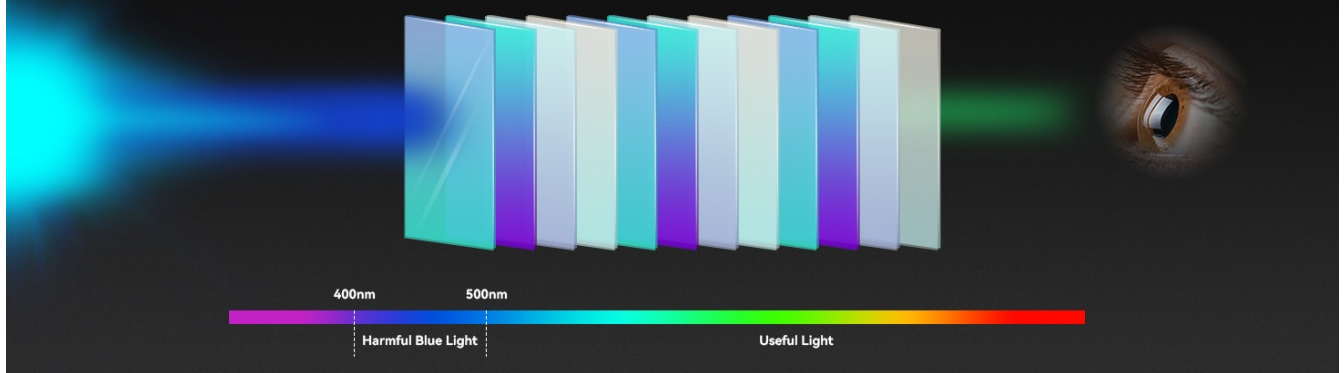


Diagram detailing the upgraded 3.0 True Color lens with optimal UV/IR protection (DIN 16), top 1/1/1/1 optical clarity, and built-in 4 arc

sensors.

WIDE APPLICATION

Perfect for Welding, Grinding and Cutting



STICK



MIG



TIG



CUT

Comparison image showing the superior true color clarity of the ARCCAPTAIN 1/1/1/1 optical class lens compared to a 2/2/2/2 optical class lens.

Mode Selection (Weld/Grind)

Select the appropriate mode for your task. "Weld Mode" provides auto-darkening for welding operations. "Grind Mode" sets the lens to a lighter shade (DIN 4) for grinding, offering eye protection without darkening.

GRIND MODE

DIN 4



WELD MODE

DIN 9



WELD MODE

DIN 13



Visual representation of Grind Mode (DIN 4) and Weld Mode (DIN 9 and DIN 13) for different welding applications.

Applications

This welding helmet is suitable for various applications including STICK, MIG, TIG welding, and cutting operations.

UPGRADED WELDING HELMET



True Color



PA Durable
Material



1/25000s
Darkening



Large Screen

MAINTENANCE

Cleaning

Regularly clean the helmet's outer and inner lenses with a soft cloth and mild soap. Avoid abrasive materials that could scratch the lens.

Battery Replacement

The helmet is powered by solar cells and replaceable CR2450 lithium batteries. Replace batteries as needed to ensure consistent auto-darkening performance.

TROUBLESHOOTING

Lens Not Darkening

- Check battery level and replace if low.
- Ensure arc sensors are clean and unobstructed.
- Verify sensitivity settings are appropriate for the welding current.

Poor Clarity

- Clean the lens thoroughly.
- Check for scratches or damage on the lens and replace if necessary.
- Ensure correct shade level is selected.

SPECIFICATIONS

Feature	Detail
Manufacturer	ARCCAPTAIN
Part Number	A1
Item Weight	1.79 pounds
Package Dimensions	11.69 x 10.04 x 7.87 inches
Country of Origin	China
Item model number	SUN5
Batteries	1 Lithium Metal batteries required (included)

Feature	Detail
Size	One size and Adjustable
Color	Red
Style	HSH-S800-Lion
Material	Polyamide (PA)
Certification	CSA Z94.3, DIN EN 379, ANSI/ISEA Z87.1-2010, DIN EN 175
Battery Cell Type	Lithium Manganese Dioxide

UPGRADED WELDING HELMET





True Color



PA Durable Material



1/25000s Darkening



Large Screen

Side view of the ARCCAPTAIN welding helmet with key dimensions highlighted, showing its compact size.

WARRANTY & SUPPORT

This product comes with a 180-day warranty. For support or warranty claims, please contact ARCCAPTAIN directly.

Seller: ARCCAPTAIN

For more information, visit the [ARCCAPTAIN Store](#).