

INTRODUCTION

The RAZORWELD RWX6000 ADF DIGITAL welding helmet is a high quality Solar and Battery operated helmet incorporating RAZORBLUE lens technology. The helmet features 4 independent Arc sensors and has an impressive 3.94” x 3.28” viewing area. The fully Digital operation for Shade, Sensitivity, Delay and Weld/Grind control make this a standout product. The Memory functions allows the operator to store different shade, sensitivity and delay options. Our helmet is lightweight, beautifully designed and offers excellent neck and head protection. This high quality and affordable Electronic Helmet make it a standout on todays market and we offer a 2 year warranty. The RWX6000 helmet comes stacked with extra features and comes complete in a color box.

WARNING

- Read and understand all instructions before using.
- Be sure that the shade of the lens is the correct shade number for your welding or cutting application
  - The helmets and lenses are not suitable for overhead welding applications, lazer welding or cutting.
  - Welding helmets are designed to protect the eyes and face from sparks, spatter and harmful radiation under normal welding and cutting conditions. They are not designed to be used for purposes other than these.
  - This helmet will not protect against explosive devices or corrosive liquids. Machine guards or eye splash protection/ devices must be used when these conditions exist.
  - Impact resistant, primary eye protection, spectacles or goggles that meet current ANSI specifications are to be worn when necessary and when required when using this helmet.
  - Avoid work positions that could expose unprotected areas of the body to sparks, spatter, direct and indirect radiation. Use adequate precautions and common sense when placed in a position which could result in Arc burn.
  - Check for component tightness before each use. Ensure also that the outer and inner protective lens are free from spatter and dirt so that the ADF filter can function normally.
  - Inspect all operating parts before each use for signs of wear and/or damage. Any scratched, cracked or pitted parts should be replaced immediately. If in doubt replace!

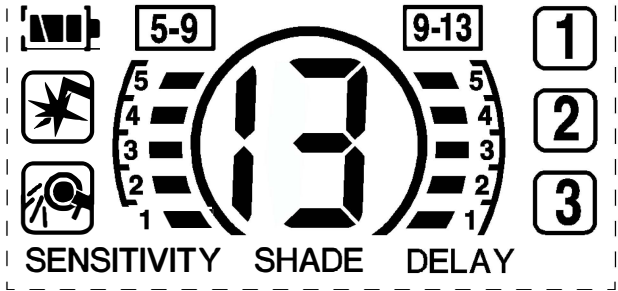
- Do not make any modifications to either the welding lens or helmet, other than those specified in this manual. Do not use any replacement parts other than those specified in this manual, Unauthorized modifications and replacement parts will void the warranty and expose the user to the risk of personal injury.
- The recommended operating temperature range for the welding lens is 14Â°F ~ 149Â°F (-10Â°C ~ 65Â°C ). Do not use this device beyond these temperature limits.
- If this lens does not darken when striking the arc, stop welding immediately and call the reseller
- Do not immerse this lens in water as this model is not waterproof
- Do not use any solvents on any lens or helmet components
- Failure to follow these warnings and/or failure to follow all of the operating instructions could result in severe personal injury.




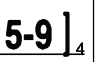




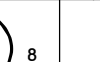

Main specifications

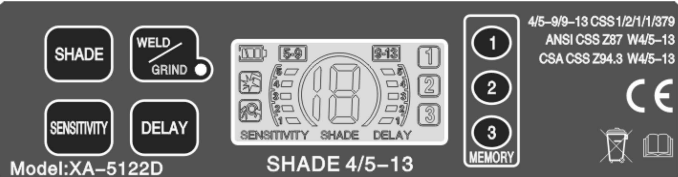
Filter Dimension	4.5" x 5.2"
View size	3.94"x 3.28"
Classification	1/1/1/1
Sensors	4
Light state	4
Dark state	Variable shade 5-9/9-13
Power Control	Fully automatic 0.4ms
Switching time @ 74F	Internal
Sensitivity control	Adjustable (Internal)
Delay Time control	Adjustable (Internal)
Time from dark to light	Yes
Grinding function	Yes
Grinding warning flash	Yes
Low battery indicator	14F-149F
Operation temperature	
Storing temperature	-4F-185F
Power supply	Solar + replaceable Battery
RazorBlue lens	Yes
Memory function	Yes
Certification	CSA/CAN ANSI

The RWX6000 HAS A 2 YEAR WARRANTY

1. Assemble the mask as shown in the construction and assembly figure ( see page 6) Please take care when removing the plastic material from both the outer and inner lens and avoid touching the outside of the lens with your fingers. Fingers often contain oils that could damage and smear the lens.
2. The power supply  
The power of the helmet is provided by solar cells with two lithium batteries . Turning on or off is automatically controlled by the electronic circuit. It is not necessary to turn the welding helmet on or off to conserve battery life or to initiate the welding shade activity
3. Screen Icon Explanation is outlined as below
4. This helmet is fitted with the RazorBlue Lens Technology. This Technology is a feature that greatly improves the optics allowing the user to see a full spectrum of colors increasing vision clarity. It also helps to alleviate eye fatigue making it safer for extended periods of welding.



				
battery status	Welding indication	Grinding indication	shade range 5-9	shade range 9-13
				
SENSITIVITY	DELAY	SHADE		
sensitivity indication: 1 (low) to 5(high)	delay indication: 1 (fast 0.1s) to 5(slow 0.9s)	Shade reading	memory selection	



Note: The icon buttons on the left of the screen need to be pressed TWICE to start the setting procedure.

**5. Shade selection**  
For lower shade selection press repeatedly until the 5-9 icon appears in the top left hand corner. this will start at shade 5. Press the SHADE button and you can scroll up to shade 9. Press the weld grind button to take you back to shade 9-13 settings.

**6. Grind Selection**  
To put the lens into GRIND mode simply press the weld/grind button until the no# 4 comes up on your screen. This number will be accompanys by a grinding icon on the bottom left of your screen. You will also have a red light flashing next to the grind Icon button to confirm you are in grind mode.

**7. Sensitivity selection**  
Press the sensitivity button twice to start the setting. The highest sensitivity (5) will flash. press the sensitivity button again and then you can scroll through all your sensitivity settings from 1 to 5. Select which sensitivity level you wish to use, it's as simple as that. Note: Sensitivity settings will **not** work in GRIND mode.

**8. Delay selection**  
Press the delay button icon to start the delay setting sequence. You simply press this Icon button and scroll up or down to choose your required delay time. In this mode the number 1 represents 0.1s and the number 5 represents 0.9s.

**9. Memory setting**  
The RWX6000 series helmet has a memory function that can store 3 of your most frequently used settings. These settings can be stored and re-activated easily by using the memory function on the icons on the right of the cartridge. These are numbered 1,2,3. To store your desired setting press one of the 1, 2 or 3 buttons and keep pressed until this icon number stops flashing on the screen. This memory setting is now complete and will store whatever setting you currently had on your digital readout screen. it is simple to change your memory by changing your settings and then press the memory function number and keep pressed until the flashing stops. To re activate one of your 3 settings just press that number and it will automatically revert to that stored setting.

In this example the memory is set as memory 2, the shade is 9, the sensitivity is 5 and the delay is 5 as well.

Note: To disengage your memory setting simply press any of the icon buttons on the left of the screen. When a general setting is completed, the ADF settings will be stored for 5 minutes. The next time you start to weld, it will automatically activate to the last general settings. Memory will NOT operate in Grind mode.

10. Battery indicator

The battery icon is located on the top left of the digital screen. Please replace the battery when the energy/charge bars are down to one bar otherwise the switching time will become slower and shade accuracy will be compromised.

11. Replacing the Battery

Open the battery holder which is located at the bottom left of the cartridge. Take out the battery and simply replace with a new one.

12. Care of your RazorBlue Lens

Keep clean using a soft, dry and clean cloth. Ensure that you replace your inner and outer protection lens on a regular basis to maintain the integrity and protection of your cartridge lens.

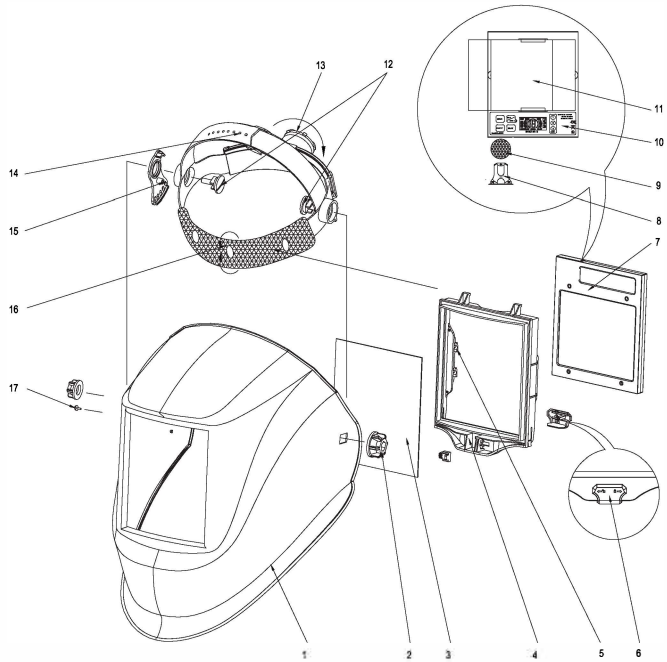
WARNINGS:

1. Be sure that the helmet is used in its correct condition and check it often according to the WARNING content.
2. There is a liquid crystal-valve in the filter, although it has an inner and outer protection plate, it is important to avoid heavy knocks and unnecessary rough treatment.
3. The outer protection plate of helmet should be periodically inspected and cleaned, keep it clear. If a break, crack or pitting occurs replace immediately.
4. In order to operate the helmet more efficiently and safely, please select the correct dark shade number.
5. The high quality high technology features of the filter must be kept away from water as the lens is NOT waterproof.
6. Please ensure that the filter sensors receive as much of the ARC light as possible to fully operate the sensors so the helmet can operate at the optimum level. Make sure they are clean and un-obstructed.
7. Please use the automatic filter at temperatures between -10°C-65°C (14°F-149°F).
8. Please don't disassemble the filter, any problems arising, please contact our company or agent.

CARTON CONTENTS

Helmet body including Cartridge, Operation manual, Headband and bag.

CONSTRUCTION AND ASSEMBLY FIGURE FOR RWX6000 AUTOMATIC WELDING HELMET WITH RAZORBLUE LENS



1. Shell
2. Headgear screw
3. Outer protection lens
4. ADF cradle
5. Magnifying lens holder
6. Cradle lock
7. ADF
8. Battery holder
9. Battery
10. ADF setting panel
11. Inner protection lens
12. Screw fixing headgear
13. Headgear tightness adjusting knob
14. Headgear adjusting band
15. Segmental positioning plate
16. Sweatband
17. Block nut

WELDING PROCESS	CURRENT AMPERES																							
	0.5	1	2.5	5	10	15	20	30	40	50	60	100	125	150	175	200	225	250	275	300	350	400	450	500
Covered Electrode									Shade 9	Shade 10			Shade 11					Shade 12				Shade 13		14
MIG Plate Welding										Shade 10			Shade 11					Shade 12				Shade 13		14
MIG Sheet Metal											Shade 10		Shade 11					Shade 12		Shade 13		Shade 14		15
TIG								Shade 9	Shade 10		Shade 11		Shade 12		Shade 13						Shade 14			
MAG									Shade 10	Shade 11		Shade 12						Shade 13		Shade 14		Shade 15		
Arc Gouging											Shade 10			11	12		13		14		15			
Plasma Cutting												Shade 11		Shade 12							Shade 13			
Plasma Welding	4	5	6	7	8	9	10		11	12		13						14						15

RECOMMENDED SHADE NUMBERS

INSTRUCTION MANUAL FOR RWX6000 AUTOMATIC WELDING HELMET



INCORPORATING RAZORBLUE LENS TECHNOLOGY

PLEASE READ THIS MANUAL BEFORE OPERATING THE RWX6000