

# CIGWELD

AN ESAB BRAND

MIG

TIG

STICK

PLASMA

GRIND



DESIGNED  
& TESTED  
IN AUSTRALIA  
FOR OVER 100 YEARS

## ARCMaster XC80

**AUTO-DARKENING WELDING HELMETS**  
with **MASSIVE VIEWING AREA**

**VIEWING AREA**  
104mm x 104mm = 104mm<sup>2</sup>



Experience each weld with CIGWELD's largest viewing area yet, which coupled with passive windows gives the welder an extraordinary panoramic view of the weldment. The ARCMaster XC80 boasts a sleek design, 5-point head harness and high-impact rated lightweight shell for superior comfort and a tactile external control module that enables the welder to choose or adjust most settings without having to take the helmet off!

### MASSIVE SHADE RANGE: 4 - 14



XC80 helmets boast a shade range from 4-14 in 0.5 Shade Increments. Sh.14 for high amperage Flux Cored Wire welding

### ULTRA VIEW



The XC80 is equipped with Ultra View Technology that provides enhanced clarity and colour recognition, enabling you to see every weld in true colour

### GRADUAL MODE



Smoothly transitions from dark to light state to minimize eye fatigue.

### OPTISHADE TECHNOLOGY



The intelligent 5<sup>th</sup> sensor automatically adjusts shade range based on detected light transmittance from the weld environment

### FEATURES

- Quad-1, high-definition optical viewing rating to the latest ISO 16321-2:V1 Standard (Old Standard EN379: 1/1/1/1) also approved to AS/NZS: 1338:1
- High-impact rating for grinding to AS/NZS: 1337:1
- 5 Arc sensors, excellent for all welding processes including TIG down to **2** amps, including Pulse TIG
- Variable shade ranges 4-8/9-14 in 0.5/half shade increments
- Grinding shade = 3
- Digital sensitivity and delay controls, fast reaction time
- Magnification Frame (can be fitted with an optional CIGWELD magnification lens)
- Suitable for Plasma Cutting & Oxy-Welding Operations
- Optional Bluelight outer lens - improves vision in low light areas, and reduces eye fatigue
- Tactile external control module
- Positive lock-up 5-point head harness mechanism
- Lightweight: 690g
- Available in Matte BLAX Series & FALLOUT Graphic versions

## AUTO-DARKENING FILTER

The ARCMaster XC80 ADF is tested and certified to the most recent international standard ISO 16321-2: 2021 for optical clarity along with Australia & New Zealand 1338:1 & 1337.1 standard for optical clarity and high impact.

Experience an expansive panoramic view of every weld through one of the largest viewing areas in a welding helmet.

Switch between welding, grind and cut modes or adjust Shade, Sensitivity and Delay effortlessly with a tactile external analogue control module. This ADF also offers 9 memory settings for a versatile user experience.



### WARRANTY PERIOD

**3-year + 6 months extended conditional warranty.** See terms and conditions at [cigweld.com.au](http://cigweld.com.au) or in the Operating Manual, included with the helmet.



**BLAX SERIES**  
**P/N: WHAMXC080**



**FALLOUT**  
**P/N: WHAMXC180**

## TECHNICAL SPECIFICATIONS

Viewing Area	104mm x 104mm = 104mm <sup>2</sup>
Arc Sensors	5
Approved to AS/NZS	AS/NZS 1337.1 & 1338.1
ISO 16321 Rating	<b>V1</b> (Previously EN379: 1/1/1/1)
Shade Range	4-8/9-14
Grinding Shade	3
OptiShade Technology	User Adjustable +/- 2 Shades
Gradual Mode	Yes (Dark to Clear)
Ultra View	Yes
Switching Speed	0.1ms
Memory Mode	Yes x 9
Harness Points	5
Digital Controls	Yes
Impact Rating	High Impact
Battery	Solar Assist 2 x CR2045 (Replaceable Battery)



### PACKAGE CONTENTS

ARCMaster XC80 Welding Helmet

- Front Cover Lens Clear - WHCL145F ( x 2) Fitted on Fallout
- Front Cover Lens Blue - WHCL145FB ( x 1) Fitted on the BLAX
- Rear Cover Lens - WHCL108R (Spares x 1)
- Sweatband - WHSB04 (Fitted)
- ARCMaster XC Series Helmet Bag
- Operating Manual



CIGWELD Data Sheet  
**ARCMaster XC80 PDS V1-2024**  
CIGWELD Pty Ltd An ESAB Brand.  
[www.cigweld.com.au](http://www.cigweld.com.au)

