

# Digital Infinity™ Series with Clearlight™ Technology

Part No: Black - 280045, Black Ops - 280047, Departed™ - 280048

## FOR HEAVY INDUSTRIAL APPLICATIONS



BLACK



BLACK OPS



DEPARTED™

## CLEARLIGHT™ LENS TECHNOLOGY

High-definition optics for precision arc recognition. Engineered to complement the colours emitted from the welding arc for enhanced clarity and natural colour – so that you can see more detail.

### AUSTRALIAN STANDARDS

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Tested in Australia, the lens and helmet comply with Australian Standards AS/NZS 1338.1 (Auto-Darkening) and AS/NZS 1337.1 B (High Impact).

#### HUGE VIEWING AREA

The huge 112 x 78mm viewing area with wide screen format provides an unsurpassed view and eliminates tunnel vision.

#### FOUR OPERATING MODES

Weld, cut, grind and X-mode provide ultimate versatility.



#### REDESIGNED HEADGEAR

Extensive adjustability for the best fit and enhanced support.

#### FOUR INDEPENDENT ARC SENSORS

Provide continuous arc sensing for the most demanding applications plus superior lens response.

#### INFOTRACK™ TECHNOLOGY

Exclusive arc tracking technology includes a digital clock and alarm, making it possible to track welding time, and features a multi-language help menu.



#### DIGITAL CONTROLS

Intuitive design and large push buttons allows the user to easily adjust mode and settings.

#### AUTO LENS CONTROL SYSTEM

Application Specific Integrated Circuit (ASIC) technology provides:

- > Low current consumption – longer battery life.
- > Increased durability against electro static discharge (ESD) and electro magnetic interference (EMI).
- > Less electronic components therefore increased reliability.

# 3 YEAR WARRANTY

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Designed to withstand industrial environments, Miller helmets come with a 3 year warranty (Auto-Darkening lens only).

#### BONUS ACCESSORIES INCLUDED:

- > 5 outside cover lenses.
- > 2 inside cover lenses.
- > Helmet bag.

# WHAT IS X-MODE?

Sensors are normally triggered by the light when you strike an arc. In X-Mode, the sensors are triggered by the electromagnetic field that is created when you start a weld.

X-Mode overcomes instances where obstructions block a sensor when welding out-of-position. Even when there is an obstruction, the sensor will still trigger because of the electromagnetic field.

For outside work, X-Mode will stop the lens constantly lightening and darkening because of the light triggering the sensors. The sensors will only trigger the lens to darken when you start to weld.

## PRODUCT SPECIFICATIONS

Viewing Area	112 x 78mm
Operating Modes	4 Modes: Weld, Cut, Grind, X-Mode
Arc Sensors	4 Independent Sensors Plus X-Mode
Light State	Shade 3 (All Modes)
Grind Mode	Shade 4
Cut Mode	Shade 5-9
X-Mode and Weld	Shade 8-13
TIG Rating	5 Amps
Power	Replaceable Lithium Battery up to 3000 Hours
Switching Speed (Light - Dark)	1/25,000 Sec
Delay Speed (Dark - Light)	0.10-1.0 Sec
On/Off Control	Automatic
Magnifying Lens Holder	Yes
Weight	650g
Warranty	3 Years (Auto-Darkening Lens Only)
Recommended Continuous Operation	Up to 300 Amps*

## STANDARDS

AS/NZS 1338.1 (Auto-Darkening)  
 AS/NZS 1337.1 B (High Impact)  
 ANSI Z87.1-2003 (High Impact)  
 DIN/TUV/CSA

## DIGITAL LENS TECHNOLOGY

<b>WELD</b>	Suits MIG, Stick, TIG, Flux Cored and Pulse welding processes. Shades 8-13.
<b>CUT</b>	Suits Plasma, Laser, Gas welding and cutting applications. Shades 5-9.
<b>GRIND</b>	Suits weld preparation and clean-up. Fixed Shade 4.
<b>X-MODE</b>	Electromagnetic arc sensing technology eliminates sunlight interference, intermittent sensing (pipe), low Amperage lens openings (TIG) & obstructed sensors. Shades 8-13.

## PARTS AND ACCESSORIES

Replacement Lithium Battery (X2)	217043
Outside Lens Cover (5 Pk)	271320P
Inside Lens Cover (5 Pk)	271319P
Headgear	271325
Top Snap-On Headgear Cushion	271326
Adjustment Angle/Stop Kit	256178*
Headband, Fabric	770249
Headgear Cushion, Top	271326
Battery Tray (Left & Right)	271327
Helmet Carry Bag With Miller Logo	770250
Magnification Lens Adapter	271328
1.50 Magnification Lens	212238P
2.00 Magnification Lens	212240P
2.50 Magnification Lens	212242P

\*Adjustment Hardware Kit with O-rings

\*Amperage ratings may vary for processes involving aluminium and stainless steel.



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