WELDING SAFETY

Digital Infinity™ Series with Clearlight™ Lens Technology

Part No: Black - MHEL280045, Departed - MHEL271332, Black Ops - MHEL271333

FOR HEAVY INDUSTRIAL APPLICATIONS.

BLACK DEPARTED™ BLACK OPS

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 & NEW ZEALAND STANDARDS

3 YEAR

AUSTRALIAN & NEW ZEALAND STANDARDS

Tested in Australia, the lens and helmet comply with Australian and New Zealand 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.

REDESIGNED HEADGEAR

Extensive adjustability for the best fit and enhanced support.

SUITS A WIDE RANGE OF PROCESSES

MIG, Stick, TIG, Flux Cored and Pulse.

FOUR OPERATING MODES

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

DIGITAL CONTROLS

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

FOUR INDEPENDENT ARC SENSORS

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

3 YEAR WARRANTY

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

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BONUS ACCESSORIES INCLUDED:

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

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.

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.

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 and Below
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**

*X-Mode eliminates sunlight interference, intermittent sensing (pipe), low Amperage lens openings (TIG) and obstructed sensors.

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

STANDARDS
AS/NZS 1338.1 (Auto-Darkening)
AS/NZS 1337.1 B (High Impact)

DIGITAL LENS TECHNOLOGY

WELD	Suits MIG, Stick, TIG, Flux Cored and Pulse Welding Processes. Shades 8-13.
CUT	Suits Plasma, Laser, Gas Welding and Cutting Applications. Shades 5-9.
GRIND	Suits Weld Preparation and Clean-Up. Fixed Shade 4.
X-MODE	Electromagnetic arc sensing technology eliminates sunlight interference, intermittent sensing (pipe), low Amperage lens openings (TIG) and obstructed sensors. Shades 8-13.

PARTS AND ACCESSORIES	
Inside Cover Lens (5 Pk)	MLENS271319
Front Cover Lens (5 Pk)	MLENS271320
Headgear	MHGEAR271325
Fabric Headband	MHBAND770249
Lens Diopter 1.0	HLENSMAG10
Lens Diopter 1.5	HLENSMAG15
Lens Diopter 2.0	HLENSMAG20
Lens Diopter 2.5	HLENSMAG25

*Adjustment Hardware Kit with O-rings