

## OHE450. Auto-Darkening Welding Helmet.



### Description

A stylish welding helmet fitted with an ADF with great optical classification suitable for most welding applications, comes with a comfortable headgear with smooth ratchet.

The welding helmet is the latest and under the ClearVIEW brand and comes with EN175 B rating shell and new high quality auto darkening filter (ADF) 4/9-13 with grind function. This allows the operator to use this helmet for various welding applications including pre and post weld operations including such as preparations of the surfaces and removal of spatter. The ADF retainer allows easy fitting of the magnification lens. The Helmet is manufactured from a High Impact Resistant Nylon (PA).

### Recommended filter shades for arc welding

Shade 10*	Less than 150 amps
Shade 11*	150 to 250 amps
Shade 12*	250 to 300 amps
Shade 13*	300 to 350 amps

\* Use one shade darker for aluminium

### Lens Control

The ADF fitted in the OHE450 will automatically switch off after 15 minutes of non activity in order to preserve the lifetime of the replaceable batteries

### Range of applications

- Electrode
- MIG
- MAG
- TIG (>10A OHE450)

### Low battery indicator

The ADF fitted in the OHE450 will have a red LED which will flash when the two CR2450 battery cells needs replacing; red LED illuminates when there's 2-3 days remaining battery life.

## Information

OHE450 welding helmets afford reliable protection for the eyes when electric arc welding. They offer permanent protection against UV/IR rays, heat & sparks in any state from the clear to dark. The protection shades of the OHE450 welding helmets have been chosen to avoid eye damage caused by the welding arc.

Do not look directly at welding rays with unprotected eyes when the arc strikes. This can cause a painful inflammation of the cornea and irreparable damage to the lens of the eye leading to cataracts.

OHE450 welding helmets allow the welder to see the point of arc strike more precisely. This leads to a real time saving. The helmet does not have to be flipped up and down during welding, both hands are kept free and because of the helmets lightweight fatigue is reduced.

### Marking on Auto Darkening Filter LI 450

CE 4/9-13 LI 1/1/1/1 379	
CE	Conformity mark
4	light state scale number
9	lightest dark state scale number
13	darkest state scale number
LI	Manufacturer identification
1	Optical class
1	Diffusion of light class
1	Variation in luminous transmittance class
1	Angle of Dependence classification
379	Testing standard

### Technical Specification

Helmet type	OHE450
Part #	11312178
Outer lens	115 x 132 x 1.5mm (4.5" x 5.25" x 0.059")
Inner lens	106.6 x 63.8 x 1mm
Field of view	61 x 97mm
Light shade state	4
Dark shade state	9-13 External adjustment
Switching Speed	0.1ms
Delay adjustment	0.1-1.0s internal adjustment
Sensitivity	Low-High internal adjustment
Sensors	4
Power supplies	Solar cells & Li-Ion battery build in
Operating Temp	from -5 to +55 °C
Total weight	550g
Grinding	OHE450 is suitable for grinding applications
OHE450 material	PA - High Impact Resistance Nylon
Warranty	24 months
Standards	EN175, EN166, EN379, AS/NZS 1337
Certificate of Compliance	ANSI/ISEA Z87.1-2010; CSA 94.3-07

### Marking on Welding Helmet OHE450

CE EN 175 B	
CE	Conformity mark
EN175	testing standard
B	Medium energy impact with 120m/s

### Spare parts for OHE450 Welding Helmets

Part #	Description
11312178	OHE450 Welding helmet incl ADF
11303638	Headgear complete set
11303639	Sweatband
11312181	Outer & Inner lens replacement kit
11312183	Retainer & thumb screws
11312180	LI 450 ADF

### Disposal

The OHE450 Welding Helmet should be disposed of as industrial waste. The helmet shell and headgear can be recycled.



#### Messer Canada Inc.

5860 Chedworth Way  
Mississauga, ON  
L5R 0A2 Canada  
Phone 1-888-256-7359  
info@messer-ca.com  
www.messer-ca.com  
www.shop.messer-ca.com

Part of the Messer World



facebook.com/messergasesamericas



linkedin.com/company/messeramericas



twitter.com/messeramericas