





















Product Family

Optrel e640

Welding helmet with automatic shade cartridge; manually adjustable 4/10 or 4/11 by a switch

Product Numbers & Ordering Information

Product Numbers	Details
 1006.400	Optrel e640 black (uncoated)
 5000.210	Front cover lens to Optrel e600 & OSE series Packaging: 2 pcs / unit
 5000.212	Front cover lens to Optrel e600 & OSE series Packaging: 5 pcs / unit
 5000.300	Inside cover lens Optrel e640, Miraplus & Optrel OSC Packaging: 5 pcs / unit
 5007.002	Optrel sensor bar for Optrel e640, Miraplus & Optrel OSC Packaging: 10 pcs / unit
 5002.050	Optrel excentric knob Packaging: 10 pcs / unit

	5003.501	Repairset 2 Optrel e600-series Includes 2 clips, 2 screws
	5003.250	Optrel headband Packaging: 1 pc / unit (suitable for all Expert & Professional products)
	5004.073	Optrel sweatband Packaging: 2 pcs / unit (suitable for all Expert & Professional products)
	4028.015	Optrel leather chest protection
	4028.016	Optrel leather head / neck protection not suitable for Optrel PAPR welding helmets
	5000.450	Optrel inside cover lens blue +1.0 shade level Packaging: 5 pcs / unit
	5000.400	Optrel inside cover lens light green + 1.5 shade levels Packaging: 5 pcs / unit
	5000.350	Optrel inside cover lens dark green + 2 shade levels Packaging: 5 pcs / unit
	5000.500	Optrel diopter 1.0 Packaging: 1 pc / unit
	5000.600	Optrel diopter 1.5 Packaging: 1 pc / unit
	5000.700	Optrel diopter 2.0 Packaging: 1 pc / unit
	5000.800	Optrel diopter 2.5 Packaging: 1 pc / unit

Overview

Key Features

Standard functions in a top quality helmet.

Thanks to the extremely high quality filter and the use of the Expert helmet shell, the welder benefits from excellent optics, shade selection plus comfort and protection advantages.

The welder can select the protection level according to his requirements using the slide switch on the rear of the cartridge. It can be set to either Shade 10 or Shade 11. The detection angle for ambient light can be selected using the sensor bar.

Recommended Industries/Use

- Welding

Hazards

- Welding Flash

Regulations

- AS/NZS 1337 & 1338

Historical Brand

Optrel

Warranty Information

2 years from date of sales for manufacturing and material defects

Specifications

Shade level

- 4/10-11

Cartridge size / field of view

- 90 x 110 x 7 mm / 38 x 98 mm

Eye protection

- Maximum UV-&IR-protection at any shade setting

Optical class

- 1

Scattered light

- 1

Homogeneity

- 1

Shade level control

- In the helmet

Sensitivity adjustment

- No

Adjustment of the detection angle

- 60° or 120°

Grinding mode

- Not possible

Switching time light to dark

- 0,4 ms at room temperature 0,1 ms at 55 °C

Switching delay dark to light

- 0,2 - 0,3 s

Power supply

- Solar cells, no battery change necessary, no on/off switch necessary

Operating temperature

- -10 °C to +70 °C

Total weight

- 460g

Recommended use

- Electrode Welding (Stick Welding, SMAW) MIG/MAG (GMAW) GMAW High melting rate process Flux Cored Wire Welding TIG welding (GTAW) Plasma Arc Welding Micro Plasma Arc Welding Plasmacutting Prohibited for laser welding!

Literature & Documents

Shaderecommendation

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Eye_and_Face_Protection/Welding/20788/1033.aspx

Find out which product is most suitable for your application

e640

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Eye_and_Face_Protection/Welding/43545/1033.aspx

Training & Proper Use

Includes a manual with all instructions

Technical Support

Australia: marketing.australia@sperianprotection.com or call 1300 139 166

New Zealand: marketing.australia@sperianprotection.com or call 0800 322 200