

>>> **WELDING PROTECTION**



## OPTREL e670

### **AUTOMATIC SHADE CONTROL FOR “HANDS-FREE” OPERATION**

#### **Automatic Variable Shade 9-13 with Grind Mode**

The Optrel e670 auto-darkening welding helmet offers automatic, hands-free shade level adjustment based on arc intensity. Using unique sensor technology, the Optrel e670 measures the brightness of the arc and automatically adjusts the shade level between 9 and 13, assuring full protection and comfort during the entire welding process. With an expanded field of view and “Read Red” color recognition technology, the Optrel e670 lets welders focus on making the perfect weld, while the helmet does the rest.



### PRODUCT FEATURES

- Engineered for the expert welder, the Optrel e670 offers a unique filter that automatically adjusts shade level based on arc intensity, freeing the welder's hands for welding rather than tuning the shade level
- Since everyone's sensitivity to light is different, the user can tweak the shade by  $\pm 1$  shade for a personalized comfort level
- For full, personal control, simply switch Optrel e670 to the manual setting
- The grind mode option lets you lock the ADF in Shade 4 for even more flexibility
- ADF features advanced "Read Red" color recognition technology for improved clarity and visibility of red LEDs on welding equipment, and provides an effective 2" x 4" (50 x 100 mm) viewing area
- Patented telescoping head-gear maximizes field of view and offers all-day comfort combined with adjustability for perfect balance
- The sleek helmet styling combines lightweight comfort and ergonomic fit with superior protection of head and neck
- The spherical contouring of the Optrel e670 helmet makes it one of the only welding helmets approved for overhead welding



### TECHNICAL INFORMATION

<b>Cartridge Dimensions</b>	3.55" x 4.33" x 0.28" (90 x 110 x 7mm)
<b>Viewing Area</b>	2" x 4" (50 x 100mm)
<b>Power Supply</b>	Solar w/2 replaceable lithium ion batteries (CR2032)
<b>Sensors</b>	2 arc detection and 1 arc intensity
<b>UV/IR Protection</b>	Maximum in any shade dark and light
<b>Shade Range</b>	Variable 9-13
<b>Light Shade</b>	4
<b>Switching Speed</b>	0.175 ms at room temperature, 0.120 ms at 131°F (55°C)

<b>Dark to Light Speed</b>	Fast = 0.1 – 0.35 s / Slow > 0.35 s
<b>Operating Temperature</b>	14°F to 158°F (-10°C to + 70°C)
<b>Storage Temperature</b>	-4°F to 176°F (-20°C to + 80°C)
<b>Weight, Complete Helmet</b>	17.3 oz (490g)
<b>Weight, ADF Cartridge</b>	4.7 oz (133g)
<b>Applications</b>	All electric arc welding processes. Not suitable for oxyacetylene or laser welding.
<b>Warranty</b>	2 years from date of purchase on ADF cartridge. No warranty on batteries.
<b>Standards</b>	ANSI, CSA, CE, DIN

### ORDERING INFORMATION

Item#	Description	Color	Packaging
K6700	Complete Optrel e670 Helmet	Black Unpainted	1 each
K6701	Complete Optrel e670 Helmet	Cosmic Green	1 each
K5910	Front Cover Lens	Clear	Set of 2
K5911	Front Cover Lens	Clear	Set of 5
K6024	Inner Cover Lens	Clear	Set of 5
K6025	Control Center Kit	Black	Set of 2 knobs/1 back cover
K6026	Cover Lens Latch Set	Black	Set of 2
K5824	Eccentric Knob	Black	Set of 10
K5821	Headgear	Black	1 each
K5822	Sweatband	Gray	Set of 2
K6028	Optrel e670 ADF Only	N/A	1 each
K6041	Magnifying Lens, + 1.00	Clear	1 each
K6042	Magnifying Lens, + 1.50	Clear	1 each
K6043	Magnifying Lens, + 2.00	Clear	1 each
K6044	Magnifying Lens, + 2.50	Clear	1 each

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