



• **optrel**[®]

For outstanding performance day after day

optrel e680

- Shade level 2 ranges: 4/5–9 and 4/9–13
- Control unit outside the helmet
- Comfortable headband
- Ability to adapt the detection angle (60° or 120°)
- Sensitivity control
- Opening delay
- Grinding mode (shade level 4)
- Overhead welding
- Colour true filter
- Can be retrofitted with optrel breathing protection system
- Hard hat can also be worn



Automatically better welding

swiss made 

optrel e680

The optrel e680 helmet was designed especially for welding experts with varying job requirements and a need for an extensive range of individual adjustment options. It is the only helmet to allow the wearer to select between DIN 5 to DIN 13 shade levels and can be used with a very wide range of welding methods and amperages without any restrictions.

The true colour filter gives the welder a superlative, full-detail view of the weld object and all machine displays. Red LEDs on the welding machine can be read without the user having to remove his helmet.

It's not just in the areas of comfort and safety that the optrel e680 offers an unsurpassed level of perfection but in terms of its additional functions too.



black unpainted



Designation	Article no.
dark blue*	1006.110
snow white*	1006.120
titan*	1006.130
cosmic green*	1006.160
shiny ruby*	1006.170
medium blue*	1006.180
black unpainted*	1006.190
Darkening filter	5012.400

*Spare helmet shell on request

Version with hard hat adapter

dark blue	1006.150
snow white	1006.152
titan	1006.153
cosmic green	1006.154
shiny ruby	1006.155
medium blue	1006.156

Other features

Size of darkening filter/field of vision	90 x 110 x 7 mm/50 x 100 mm
Eye protection	Maximum UV and IR protection with every shade level setting
Classification according to EN379	1/1/1/2
Classification according to EN175	B (120m/s impact resistance)
Time taken to switch from light to dark	0.180 ms at room temperature 0.120 ms at 55 °C
Time taken to switch from dark to light	Slow: 0.35 – 0.6 s Fast: 0.1 – 0.35 s
Energy supply	Solar cells and batteries, no need to switch on and off
Battery life	Around 2500 hours (operation)
Working temperature	-10 °C to +70 °C
Total weight	490 g
Guarantee	3 years (not including batteries)
Certificates	CE, ECS, ANSI, AS/NZS, GOST-R