



Comfortable and high-performance

optrel e650

- Shade level 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
- Can be retrofitted with optrel breathing protection system
- Hard hat can also be worn



Automatically better welding

swiss made 

optrel e650

Comfort and individual scope for adaptation, a large viewing area and consistent quality make the optrel e650 an optimum working tool for most welding methods. In addition to the infinitely variable shade level (can be set between levels 9–13), the helmet offers a continuously variable sensitivity control and opening delay function. All functions can be selected and adjusted from outside the helmet and therefore guarantee maximum comfort and efficiency.



Designation	Article no.
shiny ruby*	1006.310
dark blue*	1006.390
snow white*	1006.360
titan*	1006.330
cosmic green*	1006.340
medium blue*	1006.380
black unpainted*	1006.300
Darkening filter	5012.440

*Spare helmet shell on request

Version with hard hat adapter

dark blue	1006.354
snow white	1006.352
titan	1006.353
cosmic green	1006.357
shiny ruby	1006.355
medium blue	1006.356
black unpainted	1006.350

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