



The entry-level expert helmet

optrel e640

- Shade level 4/10-11
- Comfortable headband
- Ability to adapt the detection angle (60° or 120°)
- Overhead welding
- Can be retrofitted with optrel breathing protection system
- Hard hat can also be worn

Automatically better welding

swiss made 

optrel e640

Thanks to the extremely high quality filter and use of the expert helmet shell, the welder benefits the standard DIN 10 and DIN 11 function plus comfort and protection benefits.

The welder can adjust the shade level to suit his requirements using the slide switch on the rear of the filter. It can be set to either DIN 10 or DIN 11. The detection angle for ambient light can also be adjusted using the sensor bar.



Designation	Article no.
medium blue*	1006.480
dark blue*	1006.490
snow white*	1006.460
titan*	1006.430
cosmic green*	1006.440
shiny ruby*	1006.470
black unpainted*	1006.400
Darkening filter	5012.460

*Spare helmet shell on request

Version with hard hat adapter

dark blue	1006.454
snow white	1006.452
titan	1006.453
cosmic green	1006.457
shiny ruby	1006.455
medium blue	1006.456
black unpainted	1006.450

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