



optrel®

The ultimate in efficiency

optrel e670

- Shade level 4/9 <13
- Automatic shade level detection (automatic/manual)
- 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 e670

The modern welder needs protective equipment optimised for maximum performance and efficiency. In order to allow welders to work with as few interruptions as possible, welding machine manufacturers are increasingly adding remote control to their welding torches. But how does this affect the welder who needs to control his shade level? If the welder has to manually adapt his shade level, the process will be interrupted once more. If he leaves the shade level setting unchanged, comfort levels plummet – e670 is the perfect solution.

Unique sensor technology allows the darkening filter to automatically select the shade level and continually adapts this to the relevant application and arc intensity during welding. Fine adjustment also allows the welder to adapt the automatically selected shade level to his personal eyesight sensitivity. All of which means the welding process isn't interrupted at all. Maximum efficiency and comfort are guaranteed.



Designation	Article no.
cosmic green*	1006.210
dark blue*	1006.290
snow white*	1006.260
titan*	1006.230
shiny ruby*	1006.270
medium blue*	1006.280
black unpainted*	1006.200
Darkening filter	5012.420

*Spare helmet shell on request

Version with hard hat adapter

dark blue	1006.254
snow white	1006.252
titan	1006.253
cosmic green	1006.250
shiny ruby	1006.255
medium blue	1006.256
black unpainted	1006.257

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