

## TECHNICAL DATA

Description	Fully automated welding mask with extra-large field of vision: the nose cut-out floats above the nose to position the auto-darkening filter closer to the welder's eyes. True-Color filter protects at shade levels 2.5/5-12M with Autopilot (automatic shade selection), +/- 2 individual shade-preference adjustment, sensitivity control and opening delay with optional twilight function.
Shade levels	inactive: shade level 2,5 active, manual: shade level 7-12
Autopilot	Automatic protection level regulation across a range from 5-12 with individual calibration option of $\pm 2$
Power supply	Solar cells, lithium-polymer battery, rechargeable by USB-cable
Battery life	300 to 500 charging cycles
Sensors	Five Sensors
Sensitivity	Infinitely adjustable, now with "super high" sensitivity
Switching time	bright to dark: 0.090 ms at room temperature 0.070 ms at 55°C dark to bright: 0.1 s to 2.0 s (with twilight function)
Field of vision	Depending on headband setting, 2.3x to 6.3x field of vision of a 100 x 50 mm standard industry ADF

EN379 classification	Optical class: 1 Scattered light: 1 Homogeneity: 1 Angular dependence: 2
Shape stability	Welding mask: up to 220 °C / 428 °F Front cover lens: up to 137 °C / 279 °F
Eye protection	Ultraviolet / Infrared Protection: maximum protection at any shade level
Operating temperature	-10°C to + 70°C / 14°F to 158°F
Storage temperature	-20°C to + 80°C / -4°F to 176°F
Weight	550 g / 19,4 oz
Application ranges	Any electric arc welding process Electrode Welding (Stick Welding, SMAW) / MIG / MAG (GMAW) / GMAW High melting rate process / Flux Cored Wire Welding / TIG welding (GTAW) / Plasma Arc Welding / Plasmacutting & Oxy-gas Welding / Grinding in Grind Mode <i>Prohibited for laser welding!</i>
Scope of delivery	Welding helmet, manual, storage bag, Micro USB cable, warranty card and one front cover lens
Standards	CE, ANSI Z87.1 (ADF and helmet shell), EAC, complies with CSA Z94.3
Warranty	2 years 1 year warranty extension (except batteries) for online product registration within the first 6 months. <a href="http://register.optrel.com">http://register.optrel.com</a>