

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 ± 2
Power supply	Solar cells, lithium-polymer battery, rechargeable by USB-cable
Battery life	Appr. 1,000 operating hours. Can be recharged as often as necessary.
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, EAC, complies with CSA Z94.3
Warranty	2 years 1 year warranty extension (except batteries) for online product registration within the first 6 months. http://register.optrel.com