



## Technical data



<b>Part No. (colour)</b>	1006.110 (dark blue) / 1006.120 (snow white) / 1006.130 (titan) / 1006.160 (cosmic green) / 1006.170 (shiny ruby) / 1006.180 (medium blue) / 1006.190 (black untreated)		
<b>Type description</b>	Welding helmet with true colour filter and colour fidelity, automatic shade cartridge with shade selection from DIN5 – 9 / DIN9 – 13 infinite adjustable by an adjustment knob; adjustable to sensitivity; grinding mode; off-delay switch: dark to light ("fast") or ("slow")		
<b>Cartridge dimensions</b>	90 x 110 x 7mm / 3,55 x 4,33 x 0,28" 50 x 100mm / 1,97 x 3,94" (Viewing area)		
<b>Power supply</b>	solar cells, 2pcs LI-batteries 3V exchangeable (CR2032)		
<b>Operating time batteries</b>	approx. 2500 hours (operating)		
<b>Sensors</b>	two above the eyes variable detection angle with movable sensor slide		
<b>Light transmittance</b>	ultraviolet/infrared protection (maximum at any shade setting) visible range activated shade level DIN5 – 9 / DIN9 - 13 visible range not activated shade level 4		
<b>Switching time</b>	light to dark	175 µs (0,175 ms) 120 µs (0,120 ms)	at room temperature at 55°C / 131°F
	dark to light	position ("fast") position ("slow")	0,1 - 0,35 s > 0,35 s
<b>Classification</b>	Optical class	= 1	
	Scattered light	= 1	
	Homogeneity	= 1	
	Angular dependence	= 2	
<b>Shape stability</b>	welding mask up to 220°C / 428°F front cover lens up to 137°C / 279°F		
<b>Protection for ADF</b>	reflection free front cover lens and inside cover lens		
<b>Mask material</b>	PA6.6		
<b>Operating temperature</b>	-10°C to + 70°C / 14°F to 158°F		
<b>Storage temperature</b>	-20°C to + 80°C / -4°F to 176°F		
<b>Weight Helmet cpl.</b>	490g / 17,284 oz		
<b>Weight Cartridge cpl.</b>	133g / 4,691 oz		
<b>Application ranges</b>	all electric arc welding processes Electrode Welding (Stick Welding, SMAW) / MIG / MAG (GMAW) / GMAW High melting rate process / Flux Cored Wire Welding / TIG welding (GTAW) / Plasma Arc Welding / Micro Plasma Arc Welding / Plasmacutting & Oxy-gas Welding / Grinding <b>prohibited for laser welding!</b>		
<b>Scope of delivery</b>	Welding helmet, instruction manual and two front cover lenses		
<b>Standards</b>	CE, ECS, ANSI, AS/NZS, GOST-R, complies with CSA Z94.3		
<b>Warranty</b>	3 years from date of sales for manufacturing and material defects (except batteries)		

Subject to change without prior notice  
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Optrel AG, Switzerland