



Technical data



Part No. (colour)	1006.400 (black untreated) / 1006.430 (titan) / 1006.440 (cosmic green) / 1006.460 (snow white) / 1006.470 (shiny ruby) / 1006.480 (medium blue) / 1006.490 (dark blue)		
Type description	Welding helmet with automatic shade cartridge; manually adjustable 4/10 or 4/11 by a switch		
Cartridge dimensions	90 x 110 x 7mm / 3,54 x 4,33 x 0,28" 38 x 98mm / 1,50 x 3,86" (Viewing area)		
Power supply	solar cells, no battery changes		
Sensors	two above the eyes variable detection angle with movable sensor bar		
Light transmittance	ultraviolet/infrared protection maximum at any shade setting visible range activated shade level DIN10 and DIN11 visible range not activated shade level 4		
Switching time	light to dark	0,0004 s (0,4 ms) 0,0002 s (0,2 ms)	at room temperature at 55°C / 131°F
	dark to light	0,2 - 0,3 s	
Classification	Optical class	= 1	
	Scattered light	= 1	
	Homogeneity	= 1	
	Angular dependence	= 2	
Water-resistance	waterproof according to IP 67 (testing time 30 minutes, test depth 1 m / 3,28')		
Shape stability	welding mask up to 220°C / 428°F front cover lens up to 137°C / 279°F		
Protection for ADF	reflection free front cover lens and inside cover lens		
Mask material	PA6.6		
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 Helmet cpl.	460g / 16,226 oz		
Weight Cartridge cpl.	106g / 3,739 oz		
Application ranges	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) prohibited for oxy gas and laser welding!		
Scope of delivery	Welding helmet, instruction manual and two front cover lenses		
Standards	CE, ECS, ANSI, AS/NZS, GOST-R, complies with CSA Z94.3		
Warranty	3 years from date of sales for manufacturing and material defects		

Subject to change without prior notice
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Optrel AG, Switzerland