

Technical Data

Article N °	1006.500 (silver) / 4441.600 (silver PAPR)		
Product description	Welding helmet with realistic color vision, variable protection level with ShadeTronic® 4.0 / 5-13 (manual 5-9 / 9-13), opening delay with FadeTronic, grinding mode, sensitivity control, sleep mode. optrel comfort headband		
Headband			
Cassette size	90 x 110 x 7 mm / 3.55 x 4.33 x 0.28 " 50 x 100 mm / 1.97 x 3.94 "(field of view)		
Power supply	solar cell, 2 pieces CR2032 batteries		
Battery life	up to 3000 hours		
Sensor system	Three sensors, adjustable sensor slide		
Sensitivity adjustment	Stepless adjustment with "Super High" sensitivity range		
Maximum light permeability	for ultraviolet / infrared protection	in the entire protection level range	
	Visible area activates	protection level 5-13 (ShadeTronic®), 5-9 / 9-13 (manual)	
	Visible area not activated	Protection level 4.0	
Switching times	light to dark	170 µs (0.170 ms) 110 µs (0.110 ms)	at 23 ° C (room temperature) at 55 ° C / 131 ° F
	Dark to light	0.1 s to 2.0 s	(with FadeTronic)
Classification			
EN 379	Optical class	= 1	
	Stray light	= 1	
	Homogeneity	= 1	
	Viewing angle dependency	= 1	
EN166	Cover plate	= B	
EN166	Inner protective glass	= F	
EN175	Helmet shell	= B	
Dimensional stability	Protective welding mask up to 220 ° C / 428 ° F Front cover up to 137 ° C / 278 ° F		
Protection for cassette	Front pane and inner protective pane		
Material mask	PA6.6		
Color mask / design	silver		
Operating temperatur	-10 ° C to + 55 ° C / + 14 ° F to + 131 ° F		
Storage temperature	-20 ° C to + 80 ° C / -4 ° F to + 158 ° F		
Weight	silver 500 g / 17.6 oz / with PAPR: 700 g / 24.7 oz		
Areas of application	All electrical welding processes Electrode welding (stick welding, SMAW) / MIG / MAG (metal inert gas welding, GMAW) / GMAW high-performance welding / cored wire welding / TIG welding (TIG, GTAW) / plasma welding / micro plasma welding / plasma cutting Gas welding, grinding work in grinding mode Not suitable for laser welding!		
scope of delivery	Welding helmet, instruction manual, storage bag, micro USB charging cable, Front lens, warranty card		
Standards	CE, ANSI, EAC, AS / NZS, fulfills CSA Z94.3 Additionally with PAPR version EN 12941 (TH3) and for the Supplied air version EN14594 (3B) Meets the pr ISO 16321 standards "WIG +" ("low amp Tig" process)		
Warranty	from date of purchase: 2 years for manufacturing and material defects (battery excluded)		
Warranty extension	1 year additional (battery excluded) for online product registration within the first 6 months (from date of purchase) on optrel.com/register.		

