

Technical Data



Part No	1010.200, 1010.201		
Type description	Welding helmet with Crystal Lens Technology and color realistic panoramic view, variable shade level with ShadeTronic® 2.0/4-12 (manual 7-12), opening delay with FadeTronic, grinding mode, sensitivity adjustment, optrel recharge, optrel IsoFit® headgear.		
Headgear	optrel IsoFit® headgear		
Cartridge dimensions	90 x 110 x 9.5 mm / 3,54 x 4,33 x 0,37" 50 x 100 mm / 1,96 x 3,94" (viewing area)		
Power supply	280mAh Li-Polymer-battery with battery management system, rechargeable over Micro USB, supported by solar cells, auto-ON and sleepmode.		
Battery life	300 up to 500 charging cycles		
Sensors	Five sensors		
Sensitivity adjustment	Infinitely variable sensitivity with „Super High“ sensitivity range		
Light transmission	Ultraviolet-/infrared-protection	maximum at any shade setting	
	Visible range activated	Shade level 4-12 (ShadeTronic®), 7-12 (manually)	
	Visible range not activated	Shade level 2.0	
Switching time	Light to dark	90 µs (0,090 ms)	at 23°C (room temperature)
		70 µs (0,070 ms)	at 55°C / 131°F
	Dark to light	0,1 s bis 2,0 s	(with FadeTronic)
Classification			
EN 379	Optical class	=	1
	Scattered light	=	1
	Homogeneity	=	1
	Angular dependence	=	2
EN166	Front cover lens	=	B
EN166	Inner cover lens	=	B
EN175	Helmet shell	=	B
Shape stability	Welding mask up to 220°C / 428°F Front cover lens up to 137°C / 278°F		
ADF protection	Front cover lens and inner cover lens		
Mask material	PA6.6		
Mask colour	black (1010.200), silver (1010.201)		
Operating temperature	-10°C up to +55°C / +14°F up to +131°F		
Storage temperature	-20°C up to +70°C / -4°F up to +158°F		
Weight	silver 610 g / 21.5 oz / with PAPR: 780 g / 27.5 oz black 600 g / 21.2 oz / with PAPR: 770 g / 27.2 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) / Plasma Arc Welding / Micro Plasma Arc Welding / Plasma Cutting, Grinding (Grind Mode) Prohibited for oxy-gas welding and laser welding!		
Scope of delivery	Welding helmet, manual, storage bag, Micro USB cable, warranty card and one front cover lens		
Standards	CE, ANSI, EAC, AS/NZS, complies with CSA Z94.3 Additional with PAPR version EN 12941 (TH3) and for 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, 6 months for battery		
Warranty extension	1 year additional (battery excluded) for online product registration within the first 6 months (from date of purchase) on optrel.com/register.		