

PANDORAMAXX HYBRID

Laser welding helmet
Patent pending



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Technical data

item number	NEW		
Product description	Welding helmet with automatic glare protection cassette with true-color view, protection level selection for Manuel 3-8 (recommended for laser welding), Shade Tronic® 2.5/4-12 and brightness level 2.5, continuously adjustable using a rotary knob (internal operation), opening delay with FadeTronic, grinding mode, sensitivity control, optrel re -charge, optrel IsoFit® headgear. Auto-ON and sleep mode		
Headband	optrel IsoFit® headband		
Cassette size	90 x 110 x 9,5 mm / 3,54 x 4,33 x 0,37» 50 x 100 mm / 1,96 x 3,94» (field of view)		
Power supply	280mAh Li-Polymer accumulator, rechargeable via Micro-USB socket and solar cell		
Battery life	300 to 500 charging cycles		
Sensors	Five sensors		
Sensitivity control	Stepless sensitivity adjustment with «Super High» sensitivity range		
Light transmission	Ultraviolet/Infrared Protection Visible area activated Visible area not activated	maximum in the entire protection level range Protection level 4 12 (Autopilot), 3-8 (Manual) Protection level 2.5	
Switching times	Light to dark	90 µs (0,090 ms) 70 µs (0,070 ms)	at room temperature at 55°C/131°F
	Dunkel zu hell	0.1 s to 2.0 s (with twilight function)	
Classification welding			
EN ISO 16321-2	Optical class Scattered light Homogeneity Dependence of the viewing angle	1 1 1 2	
EN ISO 16321-1 (EN166)	Front cover lens	E (B)	
EN ISO 16321-1 (EN166)	Inner protective lens	E (B)	
EN 175	Helmet shell	B	
Laser protection classification			
EN 207	1000 – 1100 nm OD7 D LB7		
Shape stability	Mask: up to 220°C / 428°F Front cover lens: up to 137°C / 278°F		
Cassette protection	Front cover lens and inner protective lens		
Material mask	PA6.6		
Color mask / design	black		
Operating temperatur	-10°C to +55°C / +14°F to +131°F		
Storage temperature	-20°C to +70°C / -4°F to +158°F		
Weight	605 g / 21.3 oz		
Fields of Application	Suitable for laser welding! Laser Range 1000 – 1100 nm All electrical welding processes Elektrode Welding (Stick Welding, SMAW), MIG/MAG (GMAW), GMAW High melting rate process, Flux Cored Wire Welding, TIG Welding (GTAW), Plasma Arc Welding, Plasma Cutting, Gas Welding, Grind Mode Not suitable for overhead welding!		
Scope of delivery	Welding helmet and instruction manual		
Standards	CE, ANSI, EAC, AS/NZS, compliant with CSA Z94.3		
Garantie	2 years from date of purchase against manufacturing and material defects (excluding battery)		



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