



Technical data



Part No	1006.100 / 1006.110 / 1006.120 / 1006.130		
Type description	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")		
Cartridge dimensions	90 x 110 x 7mm / 3,55 x 4,33 x 0,28" 50 x 100mm / 1,97 x 3,94" (Viewing area)		
Power supply	solar cells, 2pcs LI-batteries 3V exchangeable (CR2032)		
Operating time batteries	approx. 2500 hours (operating)		
Sensors	two above the eyes variable detection angle with movable sensor slide		
Light transmittance	ultraviolet/infrared protection (maximum at any shade setting) visible range activated shade level DIN5 – 9 / DIN9 - 13 visible range not activated shade level 4		
Switching time	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
Classification	Optical class	= 1	
	Scattered light	= 1	
	Homogeneity	= 1	
	Angular dependence	= 2	
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		
Mask colour	Part No 1006.100 = Copper / Part No 1006.110 = Dark blue / Part No 1006.120 = Snow white / Part No 1006.130 = Titan		
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.	490g / 17,284 oz		
Weight Cartridge cpl.	133g / 4,691 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 / Plasmacutting & Oxy-gas Welding / Grinding prohibited for laser welding!		
Scope of delivery	Welding helmet, instruction manual and two front cover lenses		
Standards	CE, ECS, ANSI, CSA, AS/NZS, GOST-R		
Warranty	2 years from date of sales for manufacturing and material defects (except batteries)		

Subject to change without prior notice
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SPERIAN Welding Protection AG, Switzerland