

neo p 550

new. efficient. optimal.

optrel®  
swiss made 



Automatically better welding

new design.  
efficient performance.  
optimal price.

The optrel **neo p550** combines the advantages of the proven p550 helmet shell with the newest ADF technology from optrel. Experience true color vision in a mid-price helmet. With a new efficient energy concept that keeps it action-ready for 3,000 hours. And a reaction time of only 0.1 ms after striking a welding arc. Perfect protection and comfort for your eyes!



COLOR SPECTRUM OF A  
STANDARD ADF



COLOR SPECTRUM OF THE  
OPTREL NEO P550 WITH TRUE COLOR VIEW



The welder's normal world: environment in green shades with low contrast levels.

The optrel revolution: finally experience true color view during the whole welding process.

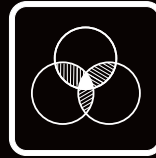
# A classic with newest ADF technology.

The optrel p550 is one of the best-selling welding helmets from optrel. With its new ADF technology it now gets even better.



## SHADE LEVEL 4 / 9-13

With a seamless shade level adjustment from DIN 9 to 13, the optrel **neo p550** is the perfect solution for all popular welding applications.



## TRUE COLOR VIEW

The specially developed UV/IR filter allows a realistic perception of colors, at long last bringing color into the world of the welder.



## DELAY FUNCTION

After shutdown of the welding arc, the ADF momentarily stays closed to protect eyes from the strong afterglow of the welding seam.



## LIGHTWEIGHT

Weighing only 495g, the optrel **neo p550** is one of the lightest automatic welding helmets available. Its ergonomic design minimizes strain on the head and neck, ensuring comfort throughout the work day.



## NEW ENERGY CONCEPT

With its radically more energy efficient electronic system including a „Super-Sleep-Mode“ the **neo p550** stays ready to use for approximately 3,000 hours without changing batteries.



---

**Helmet system**

---

**Item no.**

---

**Helmet system**

---

**Item no.**

---



neo p550 welding helmet  
black

1007.000



neo p550 welding helmet  
black with hard hat

1007.001



neo p550 welding helmet  
green

1007.011



neo p550 welding helmet  
carbon

1007.073

---





## TECHNICAL DATA

Description	ADF cartridge with true color view Shade levels from 9 to 13 continuously adjustable with knob; continuously adjustable sensitivity (with 'super high' range) and delay function		Field of view	50 x 100 mm 90 x 110 x 9.5 mm
Shade levels	inactive:	Shade level 4	Shape stability	Welding mask: up to 220°C / 428°F Front cover lens: up to 137°C / 266°F
	active:	Shade level 9-13	Eye protection	Ultraviolet / Infrared Protection: maximum protection at any shade level
Power supply	Solar cells, 2 pcs batteries 3V exchangeable (CR2032)		Operating temperature	-10°C to + 70°C / 14°F to 158°F
Operating time batteries	Approx. 3,000 hours (operating)		Storage temperature	-20°C to + 70°C / -4°F to 176°F
Sensors	3 sensors		Weight	495 g / 17.4 oz
Sensitivity	Continuously adjustable, new with "Super High" sensitivity		Application ranges	Any electric arc welding process Electrode Welding (Stick Welding, SMAW) / MIG / MAG (GMAW) / GMAW High melting rate process / Flux Cored Wire Welding / TIG welding (GTAW) / Plasma Arc Welding / Plasmacutting & Oxy-gas Welding <i>Prohibited for laser welding!</i>
Switching time	light to dark:	0.100 ms at room temperature 0.100 ms at 55°C	Scope of delivery	Welding helmet, instruction manual, batteries
	dark to light:	0.05 s - 1.0 s	Standards	CE, ANSI, EAC, AS/NZS, complies with CSA Z94.3
Classification EN379	Optical class:	1	Warranty	2 years (except batteries)
	Scattered light:	1		
	Homogeneity:	1		
	Angular dependence:	2		

Professional welding  
with true color view.

Your optrel Reseller:



optrel AG  
industriestrasse 2  
CH-9630 wattwil  
switzerland  
[www.optrel.com](http://www.optrel.com)  
[info@optrel.com](mailto:info@optrel.com)

[optrel.com](http://optrel.com)

