neo P550

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

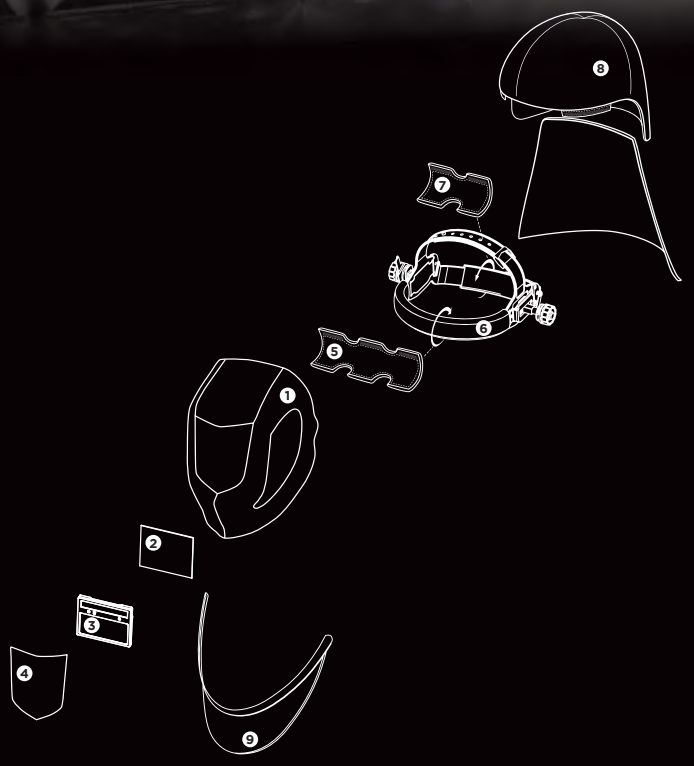
Weighing only 495g, the **optrel neo p550** is one of the lightest automatic welding helmets available. Its ergonomic design minimizes strain on the head and neck, ensuring comfort throughout the work day.

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.
 **neo p550** welding helmet black	1007.000
 **neo p550** welding helmet green	1007.011

Helmet system	Item no.
 **neo p550** welding helmet black with hard hat	1007.001
 **neo p550** welding helmet carbon	1007.073



Spare parts and accessories		Item no.
1a	Helmet shell **neo p550** black	5001.650
1b	Helmet shell **neo p550** green	5001.661
1c	Helmet shell **neo p550** carbon	5001.651
2	Inside cover lens (5 pcs.)	5000.001
3	ADF cartridge **neo p550**	5012.700
4	Front cover lens (5 pcs.)	5000.250
5	Adjustable headband (including sweatband and comfortband)	5003.250
6	Cotton sweatband (2 pcs.)	5004.073
7	Comfortband (2 pcs.)	5004.020
8	Head & neck protector, leather	4028.016
9	Chest protector, leather	4028.015

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	
Shade levels	inactive:	Shade level **4**
	active:	Shade level **9-13**
Power supply	Solar cells, 2 pcs batteries 3V exchangeable (CR2032)	
Operating time batteries	Approx. 3,000 hours (operating)	
Sensors	3 sensors	
Sensitivity	Continuously adjustable, new with "Super High" sensitivity	
Switching time	light to dark: 0.100 ms at room temperature 0.100 ms at 55°C dark to light: 0.05 s - 1.0 s	
Classification EN379	Optical class:	1
	Scattered light:	1
	Homogeneity:	1
	Angular dependence:	2

Field of view	50 x 100 mm 90 x 110 x 9.5 mm
Shape stability	Welding mask: up to 220°C / 428°F Front cover lens: up to 137°C / 266°F
Eye protection	Ultraviolet / Infrared Protection: maximum protection at any shade level
Operating temperature	-10°C to + 70°C / 14°F to 158°F
Storage temperature	-20°C to + 70°C / -4°F to 176°F
Weight	495 g / 17.4 oz
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 *Prohibited for laser welding!*
Scope of delivery	Welding helmet, instruction manual, batteries
Standards	CE, ANSI, EAC, AS/NZS, complies with CSA Z94.3
Warranty	2 years (except batteries)