

LITEFLIP[®] AUTOPILOT

Welding made easy.

Look into the future.



swiss made 

SEE
WHAT YOU
CAN DO

The first flip-up with autopilot arrived.

Until today:

The semi-automated welding mask...

automatically darkens as soon as the welding arc ignites. The shade level must be set manually according to changing lighting.

New:

The fully automated welding mask...

automatically darkens as soon as the welding arc ignites. No manual shade level setting necessary. The optrel liteflip autopilot automatically adjusts to changing lighting.



Flip-up
open

Clear view

Light
state

Inactive
mode

Autopilot Range

for all important work sequences

Adjusts automatically to the changing light conditions of the current welding method.

World exclusive: automatic adjustment up to shade level 14!

shade level

1

4

5

6

7

8

9

10

11

12

13

14

BONUS

optrel liteflip autopilot:

Combines the advantages of a flip-up welding helmet with the comfort of the optrel autopilot. Combines perfectly with the optrel e3000x respiratory protection.

Welding made easy.

Super lightweight flip-up welding helmet with automatic shade level adjustment makes welding much more comfortable and easy.



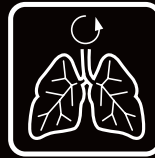
Autopilot with shade levels 1 / 4 / 5-14

With a shade level range from 5 to 14 and fully automatic adjustment, the optrel **liteflip** autopilot achieves a new level of performance: All work sequences, such as measuring, testing, grinding, and other welding applications, can be handled without any manual adjustments at the helmet. And of course, without displacing the helmet itself. The welder is always protected perfectly.



Lightweight

Weighing only 530g, the **liteflip** autopilot is one of the lightest flip-up welding helmets available. Its ergonomic design minimizes strain on the head and neck, ensuring comfort throughout the work day.



Respiratory Protection

The **liteflip** autopilot is perfectly combined with the optrel e3000x PAPR respiratory system. With its integrated high-performance particle filter (TH3), welders are adequately protected against smoke, dust, and aerosols.



True-color view

The specially developed UV/IR filter allows a realistic perception of colours and at long last brings colour into the world of the welder.



2+1 Year Warranty

Register your optrel **liteflip** autopilot online and receive an additional year of warranty for free:
<http://register.optrel.com>




Twilight ADF technology



Unlike other ADF lenses that rapidly return to light, the Twilight ADF Technology restores light more naturally, presenting a smoother transition to the eyes. This exclusive technology reduces eye fatigue on welders who are continuously welding, enabling them to work safer and more comfortably.



Helmet system

	liteflip autopilot welding helmet	1006.700
	liteflip autopilot fresh air helmet	4441.700

Ready to Weld

	Ready-to-Weld Package liteflip autopilot e3000X with liteflip autopilot, parking buddy & e3000X bag	4540.050
	Ready-to-Weld Package liteflip autopilot swiss air with liteflip autopilot, bag	4600.070



Accessories

	optrel hardhat EN 397 industrial safety helmet, available in black, white, red, orange and yellow	5011.130 5011.131 5011.132 5011.133 5011.134
	optrel hardhat adapter Usable with all optrel helmets	5011.180
	optrel parking buddy	5002.900
	optrel backpack for helmets	8000.100

Spare parts

1	Helmet shell liteflip autopilot PAPR helmet shell liteflip autopilot	5001.916 4290.000
2	Safety lens (5 pcs.)	5000.390
3	Inside cover lens (5 pcs.)	5000.001
4	Spare ADF cartridge	5012.490
5	Front cover lens (5 pcs.)	5000.391
6	Cotton sweatband (2 pcs.)	5004.073
7	Adjustable headband (including sweatband and comfortband)	5003.250
8	Cotton sweatband (2 pcs.)	5004.020
9a	Head & neck protector, leather	4028.016
9b	Head & neck protector PAPR, leather	4028.031
10	Chest protector, leather	4028.015



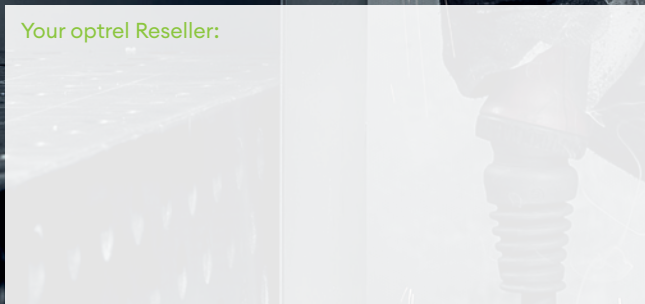
Technical Data

Description	Fully automatic welding helmet (no manual adjustment necessary) with flip-up function for a clear view. True-color view, ADF with shade level range 4/5-14M with autopilot (automatic shade level adjustment), +/- 2 individual manual offset, sensitivity adjustment, and opening delay with or without twilight function.	Classification	Optical class:	1
		EN379	Diffusion of light class:	1
			Variations in luminous transmittance class:	1
			Angle dependence of luminous transmittance class:	2
		Shape stability	Welding mask: up to 220°C / 428°F Front cover lens: up to 137°C / 279°F	
Shade levels	Open / clear view: shade level 1 Closed / inactive: shade level 4 Closed / active: shade levels 5-14	Eye protection	Ultraviolet / Infrared Protection: maximum protection at any shade level	
Autopilot	Automatic shade level adjustment for shade level range 5 to 14 with individual calibration option of ± 2.	Operating temperature	-10°C to +70°C / 14°F to 158°F	
Power supply	Photovoltaic cell, 2 pcs batteries 3V exchangeable (CR2032)	Storage temperature	-20°C to +80°C / -4°F to 176°F	
Operating time batteries	Approx. 3,000 hours (operating)	Weight	Standard helmet: 530 g / 18.7 oz PAPR helmet: 730 g / 25.8 oz	
Sensors	3 sensors	Application ranges	All electrical welding processes: Electrode welding (Stick Welding, SMAW) / MIG/MAG (Metal Shielded Arc Welding, GMAW) / GMAW High Performance Welding / Filler Wire Welding / TIG Welding (TIG, GTAW) / Plasma Welding / Plasma Cutting / Grinding in Grinding Mode <i>Not suitable for gas and laser welding!</i>	
Sensitivity	Infinite adjustment, new with "Super High" range	Scope of delivery	Welding helmet, instruction manual, storage bag, batteries, warranty card	
Switching time	Light to dark: 0.100 ms at room temperature 0.100 ms at 55°C / 131°F Dark to light: 0.3 s or 1.5 s (with twilight function)	Standards	CE, ANSI Z87.1, EAC, complies with CSA Z94.3	
Field of view	Flip-up open: 82 x 102 mm Flip-up closed: 50 x 100 mm	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	

A better view.
Better air.
Better work.



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