

Y series · Welding helmets

neo p550

auto-darkening welding helmet

A lightweight Y-series auto-darkening helmet: shade 9–13, interchangeable side panels, grind mode and plasma cutting.

- 495 g (520 g with side panels)
- Shade 9–13, light state 4, true colour view
- Optical class 1/1/1/2 to EN 379
- 3 sensors, "Super High" sensitivity range, FadeTronic
- Grind mode; suitable for plasma cutting
- Black or black-green shell, interchangeable side panels

Technical data

Classification EN379	1-1-1-2: Optical class = 1, Scattered light = 1, Homogeneity = 1, Angular dependence = 2
Colour of knobs	black
Colour of welding helmet	black / green
Power supply	Solar cells, 2 x replaceable 3 V button cell batteries (CR2032)
Protection level (not activated)	4.0
Protection levels (manual)	9–13
Sensitivity adjustment	continuously, with "Super High" sensitivity range
Sensoric	3 sensors
Weight (without side panels)	495 g / 17.461 oz
Weight (with side panels)	520 g / 18.342 oz

What's in the box

- Welding helmet
- Operating instructions

Technologies

FadeTronic

Multi-Sensor-Detection

Variants and article numbers

Art. no.	Name	EAN
1007.000	neo p550 — auto-darkening welding helmet, black	7640429870414
1007.004	neo p550 — auto-darkening welding helmet, black, with universal hard hat adapter	7640127618929
1007.011	neo p550 — auto-darkening welding helmet, black-green	7640127616369

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Description, images, documents and online shop:
optrel.pl/en/products/neo-p550/

Technical data according to optrel AG. Images for illustration. As of: 20 October 2026. optrel® — trademark of optrel AG.