AVAILABLE IN THREE VERSIONS TECHNICAL DATA



SPHERE X QUATTRO

Art. no. 1006.580 pure air: Art. no. 4441.605



CLT

Art. no. 1006.980 pure air: Art. no. 4441.905



SPHERE X

2.5

Art. no. 1006.680 pure air: Art. no. 4441.905

view over 30% larger			
red to the sphere series)	~	~	

System weight of sphereX welding helmet incl. IsoFit® X headgear

Field of v (compar

640 g

IsoFit

640 g

Shade levels 5 – 12

with ShadeTronic®.

(4 - 12 manual)

640 g

inclusive

optrel hart hat	
(according to EN 397 standard)	

ShadeTronic®	
(fully automatic protection	
level adjustment, infinitely	
variable, can be switched o	ff

Brightness level Overhead welding and welding in extreme positions

Position Locker (safe open and closed helmet position)

FadeTronic (Twilight mode)

Classification

٠	01101	ouppi)	

All electric welding processes

® X Headgear	IsoFit® X Headge
nclusive	inclusive

Shade levels 5 - 13 with ShadeTronic® (5 – 13 manual)





ISO 16321-2 V1 (best viewing angle dependence class)

Battery (approx. 1500 hrs operating time)

High-ampere applications,
heavy-duty steel construction

SPHERE X

IsoFit® X Headgear

Shade levels 5 – 12 with ShadeTronic®, (4 – 12 manual)

ISO 16321-2 V2 (viewing angle dependence)

Battery (approx. 1500 hrs operating time)

All-rounder

Areas of application

Electrode welding (stick welding, SMAW) / MIG / MAG (gas metal arc welding, GMAW) / GMAW GMAW high-performance welding / flux-cored wire welding / TIG welding (GTAW) / plasma welding / micro plasma welding / plasma cutting gas welding, grinding work in grinding mode

Not suitable for laser welding!

EN 379 1/1/1/2

Battery (approx. 1500 hrs

operating time)

Ideal for TIG

Grinding with Grind mode Sensors

5 sensors

Infinitely variable adjustment, now with "Super High" sensitivity

CE, ANSI, EAC, UKCA, AS/NZS, CSA Z94.3 complied with

Warranty

Standards and norms

Sensitivity

2 years for manufacturing and material defects, 6 months for battery 1 year additional (battery excluded) for online product registration within the first 6 months (from date of purchase) on optrel.com/register



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SHADE

THIM IN







Your view into infinity



PROTECTING PROFESSIONALS



Perfect for your mission A weldinghelmet of the nextgeneration - developed forperfect results.

Take advantage of its clever features now:

- A field of view that is over 30% larger, combined with Crystal Lens Technology (CLT) for a perfect viewing experience in every situation.
- Three-dimensionally adjustable IsoFit® X headgear for increased comfort. Ideal for work where a helmet is required thanks to its integrated industrial safety helmet adapter. You can easily attach the industrial safety helmet with just 2 clicks.
- Stabilisation of your helmet shell with our two-position locking function (Position Locker), because we always offer you comfortable and safe working solutions.
- Proven technologies such as ShadeTronic® and Multi-Sensor Detection with 5 sensors ensure that your PPE keeps pace with technological advances in safety.
- The smoke-repellent helmet shell design protects your health even better against harmful substances and always gives you a clear view. For higher quality work with fewer errors.

What makes CLT different from other technologies?

While standard helmets depict the world in neutral tones, CLT 2.0renders exact colours across the entire spectrum, in high contrast and with unparalleled brightness. The result is a precise and true-colour view of the welding area. This makes it easier for you to machine the weld pool while offering an unimpeded and crystal-clear view of the entire work area before, during and after welding. All of this is possible thanks to a high-tech coating process which is carried out in a vacuum chamber with atmospheric conditions simulating the space environment.

5 PHERE X



SERIES



SPHERE X CLT

Perfect for TIG and precision welding

Vision like indaylight-even inthelowest ampere range. Ideal for delicate seams and the highest demands.

- -Crystal-clear brightness level 2.0 for an optimum view,
- even between the welding points
- -Perfect for stainless steel, aluminium and thin sheet metal
- -Minimal colour distortion, highest level of detail



SPHERE XQUATTRO

For high-ampere applications and heavy-duty steel construction

Maximumprotection whenworking with the very highest of currents. Unbeatable viewing angle class V1 combined with colour fidelity for precise seam inspections.

- -Perfect for heavy-duty constructions
- -Protection levels 5-13 for extreme applications
- -Robust design for harsh environments



SPHERE X 2.5

The all-rounder for everyday use

Versatility meets comfort – for welderswho have to tackle new challenges on a daily basis.

- TrueColor view for realistic colours
- Protection levels 5-12 for MIG, MAG, electrode welding and grinding
- Durable, lightweight and versatile

PAPR Versions available!

Also available in Ready-to-weld (RTW) kits a complete solution for even greater safety:



NIOSH Approved PAPR helmet with e3000x respiratory protection blower and carry bag Available in all lens versions