AVAILABLE IN THREE VERSIONS TECHNICAL DATA



SPHERE X QUATTRO

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



SPHERE X

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



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

Field of view over 30% larger (compared to the sphere series)

System weight of sphereX welding helmet

incl. IsoFit® X headgear

640 g

640 g

IsoFit® X Headgear

inklusive

Shade levels 5 - 12

with ShadeTronic®,

(4 - 12 manual)

640 g

optrel industrial safety helmet (according to EN 397 standard)

ShadeTronic® (fully automatic protection level adjustment, infinitely variable, can be switched off)

Brightness level

Overhead welding and welding in extreme positions

Position Locker (safe open and closed helmet position)

FadeTronic (Twilight mode)

Classification

Power supply

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

operating time)

EN 379 1/1/1/2

Battery (approx. 1500 hrs operating time)

Ideal for TIG

IsoFit® X Headgear inklusive

Shade levels 5 – 13

with ShadeTronic® (5 – 13 manual)

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Battery (approx. 1500 hrs

SPHERE X 2.5

IsoFit® X Headgear inklusive

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

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ISO 16321-2 V2 (viewing angle dependence) Battery (approx. 1500 hrs

operating time)

All-rounder

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High-ampere applications, Areas of application heavy-duty steel construction

> 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!

Grinding with Grind mode

All electric welding processes

~ Sensors

5 sensors

Infinitely variable adjustment, now with "Super High" sensitivity

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

Standards and norms

Sensitivity

Warranty

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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PROTECTING **PROFESSIONALS**



Perfect for your mission

A welding helmet of the next generation – developed for perfect 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 2.0 renders 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.

SPHERE X

SERIES



SPHERE XCLT

Perfect for TIG and precision welding

Vision like in daylight – even in the lowest 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

Maximum protection when working with the very highest of currents. Unbeatable viewing angle class VI 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

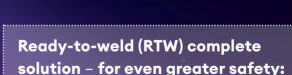


SPHERE X 2.5

The all-rounder for everyday use

Versatility meets comfort – for welders who 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





- Automatic welding helmet
- + respiratoty protection

 swiss air

 (device independent)
- (device-independent)



Automatic welding helmet (PAPR-version) + respiratory protection **e3000X**

Trade in your old optrel helmet and receive a credit towards a new purchase:

€ 100.– for helmets,

€ 200.- for respiratory protection

devices, and € 300.– for complete systems. Contact your optrel dea-

ler to learn more!

