

AVAILABLE IN THREE VERSIONS

TECHNICAL DATA



SPHERE X QUATTRO

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



SPHERE X 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

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

640 g

optrel industrial safety helmet
(according to EN 397 standard)

IsoFit® X Headgear
inklusive

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inklusive

IsoFit® X Headgear
inklusive

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

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

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

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

Brightness level

3.0

2.0

2.5

Overhead welding and
welding in extreme positions



Position Locker (safe open and
closed helmet position)



FadeTronic (Twilight mode)



Classification

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

EN 379 1/1/1/2

ISO 16321-2 V2 (viewing angle
dependence)

Power supply

Battery (approx. 1500 hrs
operating time)

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operating time)

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operating time)

Areas of application

**High-ampere applications,
heavy-duty steel construction**

Ideal for TIG

All-rounder

All electric welding processes

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



Sensors

5 sensors

Sensitivity

Infinitely variable adjustment, now with "Super High" sensitivity

Standards and norms

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

Warranty

2-year warranty **+1 additional year** upon registration
(excludes battery, product registration within the first 6 months) at
www.optrel.com/register



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