

Product Brochure For W1089A

Auto Darken Welding Helmet - (2) 4 ~ 12 Shade - PANORAMAXX CLT 1010.200

Suits Mig, Tig, Arc, Plasma & Oxy-Gas

Includes Grinding Function



ORDER CODE:	W1089A
MODEL:	PANORAMAXX CLT 1010.200
Viewing Area (mm):	2.3 to 6.3 times bigger than a 100 x 50 mm standar
Cartridge Size (mm):	-
Arc Sensors (No.):	5
Light State:	-
Shade:	(2) 4 ~ 12
Shade Control:	Variable Shade Levels
Power On/off:	Fully Automatic
Sensitivity Control:	Yes (Infinitely adjustable, Super High)
UV/IR Protection:	Yes
Helmet Power Supply:	Solar Cell, Battery Change & Required
Respirator Power Supply:	-
Switching Time Light To Dark:	0.090ms
Delay Time Dark To Light (Seconds) (sec):	0.1 - 2.0 (with FadeTronic)
TIG Rated Minimum (amp):	-
Grinding Function (Yes / No):	Yes
Inactive Shade (Grind/Off):	-
Operating Temperature:	-10°C to +55°C / 14°F to 131°F
Storing Temperature:	-20°C to +70°C / -4°F to 158°F
Helmet Material:	-
Application Range:	Mig, Tig, Arc Welding, & Plasma & Grinding Mode
Standard:	CE, ANSI, EAC, AS/NZS, & compliant with CSA Z94.3, & additionally with PAPR version & EN 12941 (TH3) and supplied air & version EN 14594 (3B) Compliant with pr ISO 16321 & Compliant with pr ISO 16321 standard
Total Weight (grams):	-

Description

Panoramaxx CLT

The world famous Crystal Lens Technology 2.0 is now also available in the panoramaxx clt version. optrel engineers have thus once again pushed the limits of what is possible to a new level.

Anyone who has ever welded with CLT technology will barely be able to believe their eyes.

The colour perception in the light state comes very close to the view through the clear window glass and in the dark state you get a detailed and high-contrast view of the welding pool in a clarity never seen before. Unlock your true potential – with the panoramaxx clt.

Closer. Further ahead.

A nose cutout changes everything.

Without a doubt, the nose is one of our most important organs and takes our senses into the fifth dimension. But when it comes to enlarging the welder's field of vision by positioning the anti-glare display, ergonomically optimal, closer to the eye, the nose gets in our way.

So we threw all conventions overboard and dared the technological chin-up to give the display a nose cutout. The result is impressive. More than 600% enlargement of the field of view without increasing the weight and shape of the welding helmet. The practical additional benefit is, due to the clear separation from the mouth area, you no longer breathe on the display and thus prevent the anti-glare window from tarnishing.

Our pragmatic approach is so new and innovative that several patents have been granted for it - and guarantees its uniqueness.

The optrel panoramaxx as a personal assistance system.

Complete equipment as standard.

In addition to the large field of vision and crystal-clear optics, which form an actual assistance system, all members of the panoramaxx series are equipped with the latest digital electronics. The patented Shadetronic and Fadetrasonic technologies in combination with the 5-point sensor system and the re-charge energy concept are the core elements.

They enable welders to focus on their work and allow them to work without interruption. This results in quality and efficiency. Thanks to the ergonomic design of the perfectly fitting optrel IsoFit® headband, the panoramaxx is light as a feather and fatigue-free. All panoramaxx welding helmets are highly robust at the lowest weight and protect users against external mechanical impacts such as high speed particles which hit the helmet at up to 120 m/s. And thanks to grinding mode, which can be easily operated externally, and the incomparable

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appearance, even grinding work is more fun.

ShadeTronic®

The patented optrel ShadeTronic® technology automatically adjusts the protection level to the changing light conditions of the welding arc. This allows welders to work without interruption.

A sophisticated Shadetronic sensor continuously measures the light intensity of the welding arc and regulates the glare protection progressively from SN 4 to a maximum of SN 13 fully automatically.

FadeTronic

With the patented optrel FadeTronic technology, the opening of the anti-glare display can be continuously adjusted after welding. The unpleasant afterglow is faded out – especially for high ampere applications. Eye fatigue is significantly reduced thanks to the display opening smoothly and being adapted to the eye.

Re-Charge

The unique and environmentally-friendly optrel re-charge energy concept ensures that welding helmets always have enough energy. Thanks to the latest solar technology, a rechargeable lithium-polymer battery is recharged either by the welding light or by the ambient light. In addition, the battery can also be charged directly with any USB charger via a micro-USB interface. The tiresome changing of batteries is no longer necessary and the environment is protected.

5-Point Detection

The optrel 5-point detection integrated in the panoramaxx series is an intelligent sensor control with five sensors. Sophisticated software and clever positioning of four sensors at the corners and one sensor in the upper centre ensures the glare shield is switched on and off perfectly, even in the most difficult lighting conditions and in constrained positions, as well as permanent dark level adjustment (Shadetronic®, patented) during welding.

Grinding mode

Like most optrel welding helmets, the products in the panoramaxx series have a grinding mode. It can be conveniently operated externally by means of a robust and well-protected pressure switch. Once activated, the anti-glare display remains deactivated, which guarantees trouble-free grinding work. At the touch of another button, the glare shield is then immediately ready for welding work. Your optrel welding helmet becomes a true multifunctional work safety device.

Fields of Application:

Elektrode Welding (Stick Welding, SMAW)
MIG/MAG (GMAW)
GMAW High melting rate process
Flux Cored Wire Welding
TIG Welding (GTAW)
Plasma Arc Welding
Plasma Cutting
Gas Welding
Grind Mode

Features

- Panorama field up to 6x view compared to standard helmets (2.3 to 6.3 times bigger than a 100 x 50 mm standard ADF)
- Curved helmet optimized for overhead welding
- True colour filter optimizes view of colors in true form
- Crystal Lens Technology
- Detection of the arc brightness and fully automated shade level adjustment from 4 to 12 (ShadeTronic 4-12 with individual calibration option ± 2 .)
- External infinite shade level adjustment enables welders to manually adjust their shade level from 8-12 (Active, manual: shade levels 8-12)
- Brightest view in light state and grind mode at shade level 2.0 (ShadeTronic inactive: shade level 2.0)
- Sensitivity control prevents ADF from responding too soon or not at all to their arc flash
- Opening delay allows welders to adjust the time it takes to switch from dark to light
- New energy concept with Lithium-polymer battery
- Breathable and Comfortable
- Made in Switzerland

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Specific Features



Side View