

Crystal clear view

**Fronius**

# Vizor Crystal



Detailed and high-contrast: In addition to its wide field of vision, the Vizor Crystal features unique glare protection technology. In light conditions, you can perceive color almost as clearly as you would through a clear glass window. In darkness, welders have a detailed and high-contrast view of the weld pool, with unprecedented clarity.



Thanks to the latest solar technology, the lithium-polymer battery can either be charged with welding light or ambient light. Alternatively, you can also charge the battery via a Micro-USB interface with any conventional USB battery charger.



The display is adapted to the eye and opens smoothly, significantly reducing eye strain in comparison to a normal delay function (twilight function).



The nose cut gives the welder up to six times the field of vision of conventional welding helmets.



In grinding mode, the auto-darkening filter cartridge remains deactivated. This ensures interference-free grinding.



The light transmission level of 31% at shade level 2 when open allows for a virtually perfect view of your working environment.

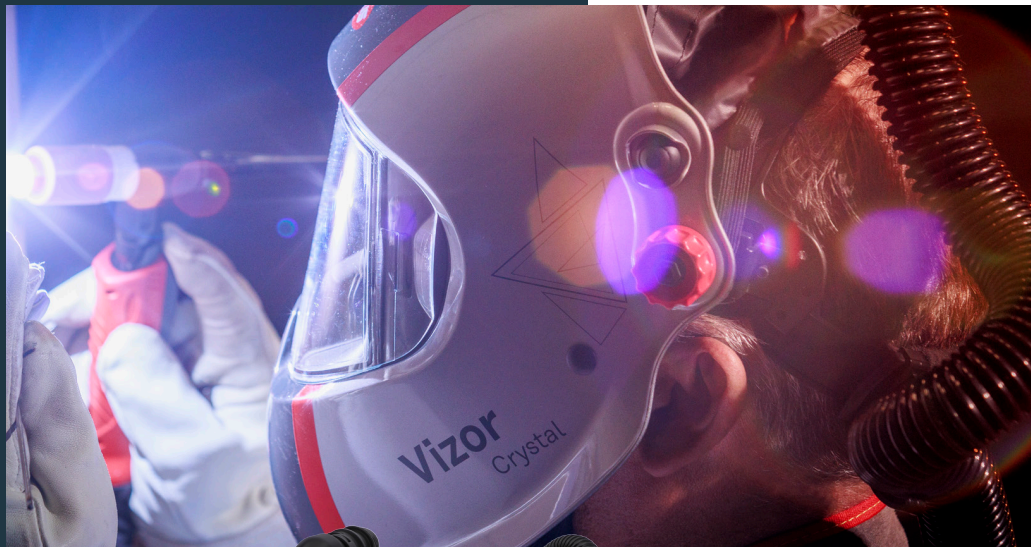


Thanks to the autopilot, you no longer need to set the shade level yourself. The auto-darkening filter cartridge darkens automatically and regulates independently between 4 and 12, according to the arc intensity.



## Your benefits:

- Panoramic view and relatively light-weight
- Better vision before, during, and after welding, thanks to Crystal Lens Technology
- Autopilot function allows for comfortable working
- Compatible with Vizor Air/3X fan filter unit



Compatible with  
Vizor Air/3X fan filter unit

## Technical data

	Vizor Crystal			
Field of vision	Thanks to the nose cut, depending on the headband setting, 2.3 to 6.3 times the field of vision of a 100x50 mm industry-standard auto-darkening filter cartridge			
Levels of protection	Autopilot: 2.0 (light condition) 4 < 12 (dark condition)		Autopilot inactive: 2.0 (light condition) 7–12 (dark condition)	
Sensitivity	Seamlessly adjustable, with "super high" sensitivity			
Eye protection	Ultraviolet/infrared protection: maximum protection across all levels of protection			
Switching time from light to dark	0,090 ms at room temperature 0,070 ms at 55 °C			
Switching time from dark to light	0,1–2,0 s (dimming function)			
Classification according to EN379	Optical class: 1	Scattered light class: 1	Homogeneity class: 1	Angle dependence class: 2
Power supply	Rechargeable lithium-polymer battery via Micro-USB cable, supported by solar cells			
Charging time	approx. 1 hour			
Weight	0,61 kg/ 1,34 lb			