

XELUX X-series

Schweisserschutzfilter

Welding Filter

SCHWEISSEN IN FARBE

3 9 13



X200 | X600

www.xelux.ch

Instruction Manual

Warning! The XELUX X-series active welding protection filters are intended to use for arc welding exclusively. Arc welding without safety equipment is dangerous and can lead to inflammation of the cornea as well as cataract. The XELUX X-series active welding protection filters must be used together with an appropriate welding mask. Set up your workplace accordingly. Make sure you have proper lighting, ventilation, fire safety and a solid stance.

Please read the manual before first use.

This personal protective equipment (PPE) complies with EU regulation 2016/425, with effect from April 21, 2018.

Characteristics

- Ideal for all kinds of arc welding
- Maximum eye protection at minimal weight
- Full color recognition and natural view with realcolor optics
- Splinter-proof, multi-layered structure of both optics and casing
- CE and ANSI certified

Application

The XELUX X-series active welding protection filters were specifically developed to be used for arc welding. The XELUX X-series active welding protection filters are well suited for most applications of arc welding between 20 and 300 Amperes of power, for empty or covered electrodes, as well as plasma-cutting and plasma-welding. The XELUX X-series active welding protection filters offer a high amount of safety and comfort while working.

The XELUX X-series active welding protection filters must not be used for laser protection.

Personal light sensitivity varies long term with age and short term during the day. When in doubt which shade level to use, please refer to the corresponding norms and recommendations of the professional associations.

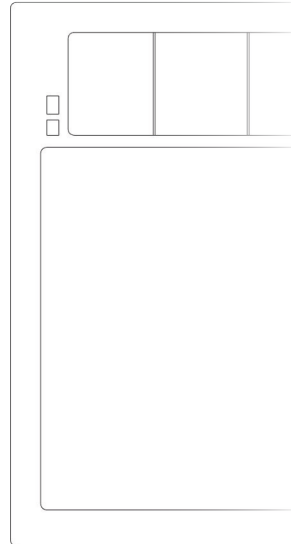
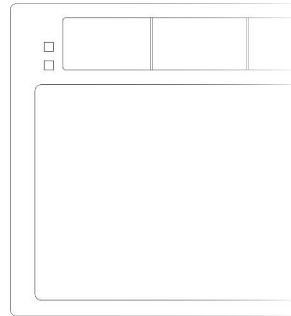
Make sure you are using the correct model for your welding type. For your safety and proper functioning of the filter, make sure you have enough lighting at your work environment.

XELUX X200 / X600:

Automatic control of shade level 9 < 13, sensitivity and delay

The XELUX X-series active welding protection filters must be inserted into a welding mask to use.

You can now take on the mask and start working. There is no on/off switch. The XELUX X-series active welding protection filters darken and brighten automatically. Make sure neither the solar panel nor the sensors besides the solar panel are obstructed.



+ SWISS MADE

XELUX[®]
ACTIVE EYE PROTECTION

Technology

The XELUX X-series active welding protection filters switch within 0.1 ms from a light state of shade level 3 to a dark state between shade level 9 -13 (X200/X600). In this range, the filter will adjust the shade level automatically (X200/X600). The automatic adjustment is dependent on the illuminance. When turning away from the direction of the light source, the welding filters will switch to their light state.

The XELUX X-series X200/X600 active welding protection filters are powered exclusively by their integrated solar cell.

All XELUX X-series active welding protection filters are dust- and splash proof. The X200/X600 filters, are waterproof at depths down to 50 m for 5 hours. The realcolor optics offer a clear light state with full color recognition.

Technical specification

| | |
|---------------|--|
| Material: | Plastics (skin-friendly) and glass |
| Weight: | 43 g (X200), 75 g (X600) |
| Dimensions: | 108 x 51 mm (X200), 110 x 90 mm (X600) |
| Viewing area: | 100 x 35 mm (X200), 100 x 60 mm (X600) |
| Warranty: | 36 months |
| Lifetime: | Min. 10 years |

The **XELUX X-series** active welding protection filters can be ordered in most globally common dimensions. You have complete freedom of choice for the welding mask. **XELUX X-series** filters fit most common welding masks.

Markings

| | | |
|-------------|--|------|
| X200 | 3 / 9 < 13 / GEO / 1 / 1 / 1 / 2 / 379 | S CE |
| X600 | 3 / 9 < 13 / GEO / 1 / 1 / 1 / 2 / 379 | S CE |

| | Light state | Dark state | Manufacturer | Optical class | Diffusion of light class | Variations in luminous transmittance class | Angle dependence of luminous transmittance | CE standard | Increased robustness |
|-------------|-------------|------------|--------------|---------------|--------------------------|--|--|-------------|----------------------|
| X200 | GEO | Z87 | Z87 | W3 | 9 < 13 | | | | |
| X600 | GEO | Z87 | Z87 | W3 | 9 < 13 | | | | |

| Manufacturer | ANSI standard | Level of welding protection | Dark state |
|------------------------|---------------|-----------------------------|------------|
| castelberg design gmbh | Z87 | W3 | 9 < 13 |

Manufacturer: castelberg design gmbh
Etzelstrasse 44E
8820 Wädenswil, Switzerland

Notified body: ECS GmbH (1883)
Hüttfeldstrasse 50
73430 Aalen, Germany

The declaration of conformity can be found on our website:
www.xelux.ch

Maintenance, lifetime and warranty

Besides cleaning there is no maintenance necessary. The **XELUX X-series** active welding protection filters can be cleaned with a microfibre towel or a regular towel intended for cleaning glasses. To disinfect use a common disinfectant and a towel. Make sure cleaning liquids are applied to the towel, not directly to the welding filter.

Power supply is provided by the integrated solar cell. At the end of the product lifetime, please dispose it accordingly for electronic products.

Manufacturer warranty for material and manufacturing errors is 36 months. Damages that result from physical abuse of the product are not covered by the warranty.

Warranty only applies for the described use case and only for unmodified products. Besides warranty claims, no other damages will be covered.

Security advice

The **XELUX X-series** welding filters should be stored at temperatures from -10°C to +40°C and at a relative humidity below 80%. Short term operating temperature is between -10°C and +70°C. Exceeding these temperature ranges can lead to damages that are not covered by the warranty.

The **XELUX X-series** active welding protection filters must not be used for other purposes that are not described in this manual.

In rare cases allergic reactions to the filter are possible. If the filter causes skin irritations, it must not be used further, and medical advice is recommended.

If a **XELUX X-series** active welding protection filter shows unexpected behaviour or is visibly damaged it must not be used further.

When wearing glasses beneath the welding mask, shocks caused by high-speed projectiles can be transferred to the face.

Usage of **XELUX X-series** active welding protection filters for different applications than described in the manual, especially under extreme temperatures or presence of high-speed projectiles, is not allowed.

Accessories / Spare parts

Protection plates are, for most welding masks, easy to exchange. They can be ordered separately.

XELUX X200 Protection plate outside/inside 108 x 51 mm
Set of 10 pieces
Item no.: 50.110

XELUX X600 Protection plate outside 110 x 90 mm
Set of 10 pieces
Item no.: 30.220

XELUX X600 Protection plate inside 110 x 90 mm
Set of 10 pieces
Item no.: 30.220

XELUX enduro welding mask with headgear and sweat band
Item no.: 80.625

Distribution

Distribution is taken care of by the qualified retailers, our online shop or by contacting us directly. We will also gladly recommend you a local distribution partner.

Please visit our website www.xelux.ch where you can find further information.

If you have any questions, please do not hesitate to contact us. We will gladly help you.

