

⚠ WARNING: whenever the welding helmet is off use and/or stored, always keep the helmet with filter sensors downward and turn the sensitivity control knob to low.

⚠ WARNING!

- This Auto-darkening Welding Helmet is not suitable for laser welding.
- This Auto-Darkening Welding Helmet and the Auto-darkening welding filter cartridge assembly shall never be placed on hot surfaces
- Never disassemble the Auto-Darkening Filter.
- The Auto-darkening welding helmet will not protect against severe impact hazards, including fragmenting grinding disks.
- This Auto-darkening welding helmet will not protect against explosive devices or corrosive liquids. Don't make any modifications to either the filter or helmet, other than those specified in this manual. Don't use any replacement parts other than those specified in this manual. Unauthorized modifications and replacement parts will void the warranty and expose the user to the risk of personal injury.
- Should the Auto-darkening welding helmets not darken upon arc is igniting, stop welding immediately and contact your supervisor or your dealer.
- Don't immerse the filter in water
- Don't use any solvents on filters' screen or helmet components.
- Use only at temperatures: $-5\text{ }^{\circ}\text{C} \pm 55\text{ }^{\circ}\text{C}$ ($23\text{ }^{\circ}\text{F} \sim 131\text{ }^{\circ}\text{F}$)
- Storing temperatures: $-20\text{ }^{\circ}\text{C} \pm 70\text{ }^{\circ}\text{C}$ ($-4\text{ }^{\circ}\text{F} \sim 158\text{ }^{\circ}\text{F}$)
- Protect filter from liquid and dirt contact.
- Clean filters' surfaces regularly; do not use strong cleaning solutions. Always keep sensors and solar cells clean using a clean lint-free tissue/ cloth
- Regularly replace the cracked/scratched/pitted Front Cover Lens. Severe personal injury could occur if the user fails to follow the aforementioned warnings, and/or fails to follow the operating instructions.

MAINTENANCE

⚠ WARNING:

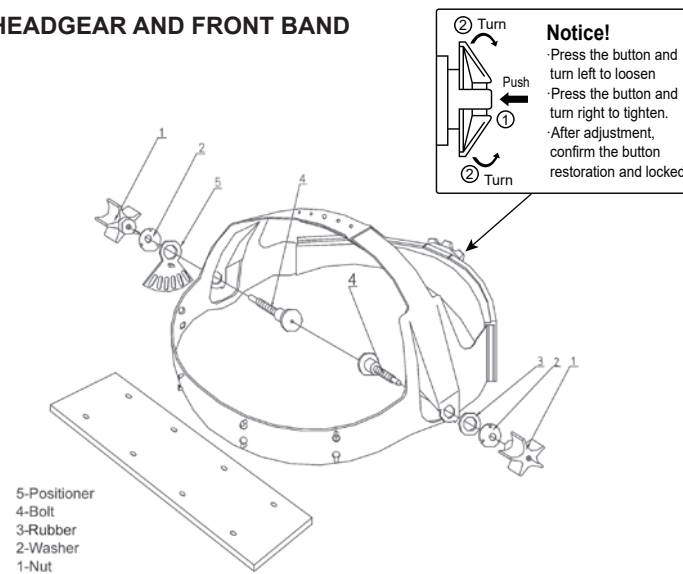
- There are no components and parts can be repaired by the user.
- Replacement of any component and parts shall be original from the manufacturer.
- User shall not uninstall the auto-darkening welding filter. The filter must be removed by the local dealer or qualified personnel. Other wise it will cause the warranty invalid.
- Cleaning The Auto-darkening Welding Filter with a clean lint-free tissue or cotton cloth, alcohol can be used as agent but not too much.
- Don't immerse the lens in water or any liquid. Never use abrasives, solvents or oil based cleaners.
- Don't try to open the Auto-darkening Welding Filter.

STORAGE:

- The helmet and the auto-darkening welding filter assembly shall be stored in dry, well-ventilated place. Do not exposed to direct sunshine.
- Do not hit, click, scratch or squeeze the helmet.
- Do not dirty the welding filter.

INSTALLATION

HEADGEAR AND FRONT BAND



EC declaration of conformity

Hereby I, company: **Frank van Dijk Trading B.V.** declare that product/ article with name: **Auto-darkening welding helmet** And model No: **180117 - TH1**

Picture of product:



Is in conformity with relevant union harmonisation Directive(s) and/or regulation(s):

related to CE Directive(s):
R 2016/425 (Personal Protective Equipment)

Tested in accordance with standard(s):

-EN 175:1997+A1:1998
-EN 379:2003+A1:2009

Name: Frank van Dijk

Place: De Kwakel, the Netherlands

Date (dd-mm-yyyy): 10-03-2022

Signature and company stamp:

Auto Darkening Welding Helmet USER'S MANUAL 180117



BEFORE WELDING

- Before use, read - the manual carefully and make sure you know all what it has specified
- Before use, remove protective film.
- Make sure the auto-darkening welding helmet is suitable for the work you intended to do and all parts and components are in proper order and ready for work.
- Make sure solar cells, as power supply of the auto-darkening welding helmet, are correct and ready for work.
- Adjust the headgear according to your head size.
- Set dark shade state according to Shade Guide Chart to correct shade scale number following DARK SHADE SETTING. Make sure the shade scale number you select is correct and suitable for the job you are to do.

⚠ WARNING!

- Make sure that the power supply is correct and ready to work. Otherwise, replace with new filter assembly immediately. Never use welding helmet with power failure.
- If your welding ampere is large be sure to turn the Sensitivity control knob to "Low" position.

⚠ DARK SHADE SETTING

1. Turn SHADE PRESET KNOB on the left side of the helmet to suitable scale according to welding processes and WELDING CHART. The shade scale number can be infinitely set manually between DIN #9 to DIN #13.
2. Sensitivity is controlled by SENSITIVITY CONTROL KNOB on right hand at backside of the filter cartridge assembly. Sensitivity can be adjusted from Low to High clockwise. If welding ampere is large, sensitivity shall be Low and if welding ampere is small or DC welding sensitivity shall be High. Sensitivity shall be controlled according to certain welding processes. It is regularly that small welding ampere and DC, lower pulse or non-pulse welding shall use high sensitivity.
3. Recovery time can be adjusted by the DELAY CONTROL KNOB on left hand at backside of the filter cartridge assembly. According to the need of the welding, the recovery time can be adjusted from 0.1s~0.8s.

⚠ **WARNING: Do not weld against direct sunshine when using this auto-darkening welding helmet!**

Specifications for Series Galaxy Auto-darkening Welding helmet

Filter size	110x90x11mm	Power on/off	Fully automatic
View size	92x32mm	Power supply	Solar cells & Lithium batteries
UV/IR protection	DIN15	Replaceable battery	Yes
Light shade number	DIN4	Self-testing function	Yes

Dark shade range	DIN9-DIN13	Low power warning	Yes
Shade adjustment	External	Mask material	PP
Sensitivity adjustment	adjustable	Operating temperature	-5°C±55°C (23°F-131°F)
Switching time	1/20000s	Storing temperature	-20°C±70°C (-4°F-158°F)
Recovery time	0.3~1s	Net weight:	490g±40g

⚠ WARNING ⚠

For your Safety & to Prevent Injury

1. It is your job to keep yourself and others from the hazards associated with welding. To do this you must familiarize yourself with safety rules for arc welding. Handling high-pressure gas cylinders and general safety rules.
2. Arc welding gives off fumes, which can be a potential health hazard. Always use adequate ventilation.
3. Never do welding work without adequate eye protection.
4. Always wear appropriate safety equipment when doing welding work.

OWNER'S RESPONSIBILITY

The owner and/or user shall have an understanding of the operating instruction and warnings before using the auto-darkening welding helmet. If the user knows little English, the instruction and warnings shall be read to and discussed with the user's native language by the purchaser/owner making sure that the user comprehends all the content.

OPERATION

When you are sure you are familiar with all the information included above and get everything ready to use the welding helmet, follow the below:

1. Adjust the sensitivity to proper position. If it fails, stop at once and check. Do not use the helmet if you are not sure it is in good order.
2. When finish work, always turn the sensitivity control knob to low, Put down the helmet with face downward to make the power automatically switch off.
3. solar cells & lithium batteries.

⚠ **CAUTION:** When welding process is of small ampere or DC welding or low/non-pulse, try to keep away from strong environmental lights, especially direct sunshine.

