AUTO-DARKENING WELDING HELMET

User Manual



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1. Product Characteristics

- 1). High strong materials and fire retardant, can prevent resistance ,anti-aging
- High definition protective filter, you can see the welding conditions clearly when welding the goods. Welding luminosity is soft and comfortable.
- It works the moment you start work, this products adopts advanced circuit design.
 Striking the arc, the observing window darkens immediately.
- 4). Permanent UV/ IR protection
- Fashion appearance, ultra light designing, wearing comfortable.
- 6). High performance solar cells and lithium battery
- Sensitivity and delay time can be adjustable.
- Grinding and welding mode can be chosen.
- Ultra-low power consumption, Battery replaceable, Self-checking function, Low battery display
- Segmented shade adjustment switch(DIN5-9 and DIN9-13)

2. User Manual

- The welding helmet is suitable for all types of the electro-weldings:arc welding, gas shielded welding, etc. except laser welding.
- Before using, please move the protective film away from the screening glass, which located front and back of the lens.
- Shading Adjustment:
 - the adjustment knob on the left side of the auto helmet(refer to the picture introduction)
 - Open the switch,adjust the button,according to the electric circuit to choose the suitable shading No.
- 4). Sensitivity Adjustment:
 - the adjustment knob on the upper-left of the LCD core box (refer to the picture introduction)
 - Namely the response time:from the light shade to the dark shade. By adjusting
 the button "Sensitivity"to change the sensitivity which receiving the signal of the
 electric welding light.you can adjust a little higher when the welding current is low.
- 5). Delay time adjustment:
 - the Knob locate on the upper-right of the auto helmet (refer to the picture introduction)

- Namely the response time:from the dark shade to the light shade, By adjusting the button "Delay "to change the delay time of the lens.
- 6). Headband adjustment:
 - Headband adjustment knob (refer to the picture introduction)
 - Press the headband button, meanwhile turning the adjustment screw to select an appropriate diameter and fix it for the comfortable wear.

3. Picture Introduction

Product Introduction

Solar cells

Depend on arc power, supply line work

PC protection piece

Non-stick slag and splash proof

Auto darkening welding filter

Remove the IR/ UV in the arc

Helmet shell

Ultralight, fashionable, durable.

Grinding function

The external adjustment, easily switch to the grinding state

Shade adjuster

According to the arc intensity, adjusting the external button accurately, which can realize precise welding, view more clearly

Angle adjustable knob

Headband locating plate

Adjusting the angle of window

Comfortable headband design

Eliminate long wearing uncomfortable, avoid the mask loose, let the staff in the high altitude used more secure, freely adjusting the button size to fit for different shapes of the man's heads



Flexible headband

Using the flexible material, lightweight, soft, comfortable and durable

Headband button

Adopts the self-locking functiondesign, Press the headband button for an elastic adjustment.

User introduction of the auto darkening welding fiter

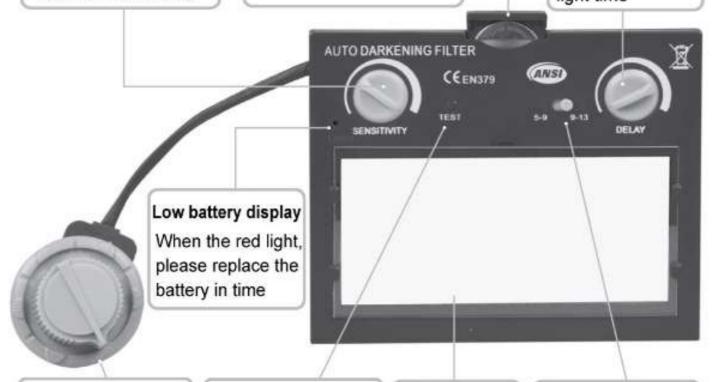
Sensitivity adjuster

According to the operation situation to adjust the sensitivity

The battery card slot

Hidden battery replacement card slot, more secure, more reliable and more beautiful.

Delay time adjuster
Adjust the auto darkening welding filter
from the dark to
light time



Welding or grinding mode

The "Grind" position is intended for grinding state, other position is intended for welding state.

Self-checking button

Click this button, LCD instantly turned black for self -testing

High quality LCD

Light evenly, image clearly.

Segmented shade adjustment switch (DIN5-9 and DIN9-13) The adjusting range

is larger, more accurate and more convenient by the segmented shade adjustment.

4. Technical Parameters

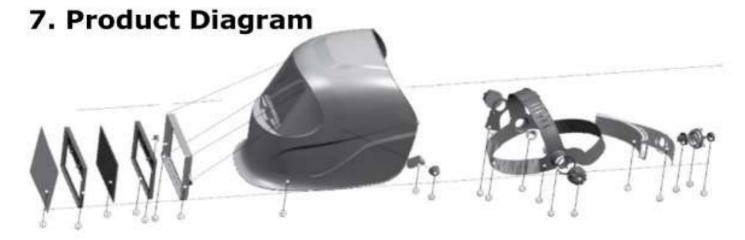
- 1). Light states: DIN 4
- 2). Dark states: DIN5-13 free adjustment
- 3). View Area: 105X 56mm 96X 48mm 96X 35mm
- 4). Response time(bright to dark) : < 1/30000 seconds (normal temperature conditions)
- 5). The return time (dark to bright) : adjustable: 0.15 S ~ 0.8 S
- 6). Sensitivity (welding based on current size) : adjustable: low/high
- 7). Battery: lithium battery + solar cells .
- 8). Uv protection: 16 levels
- 9). Working temperature: -5°C ~ 55°C (23°F ~ 131°F)
- 10). Storage temperature: -20°C ~ 70°C (-4 °F ~ 158 °F)
- 11). Masks materials: PP
- 12). Weight: 450G
- 13). Warranty: 2 years
- 14). life expectancy: 10 years

5. Matters Attention

- Sensitivity Adjustment and Delay time adjustment have an great effect on the vision when working with welding helmet. Please make sure to select an appropriate angle according to your own habit.
- The protection piece must be assembled to front and back of the filter lens, or the filter lens will be destroied.
- The protection piece should be provided by the manufacturer.
- 4). Any broken and scratching of the filter frame will affect the viewing angle and reduce the protective ability, Pls replace the frame once you find this matter.
- The protection piece should be replaced if broken and scratching, Don't touch the lens with tough objects
- 6). Pls often replace the sweatband

6. Product Maintance

- Pls use clean cotton cloth to clean the protection piece and frame. Don't use corrodent such as alcohol, gas, corrosive liquid, organic solvent, etc.
- 2). Pls store the product in the drying place. And preventing from water and damp.
- Pls turn off the shade switch to reduce the power consumption when long time no using.



- Filter protection piece
- 2. Filter former frame
- 3.Filter
- Filter outer frame
- Sensitivity knob
- 6.Delay knob
- Filter frame fixed frame
- 8.Helmets
- Shade knob
- 11.Segmental positioning plate

- 12.Sweat band
- 13. Positioning point for the segmental plate
- 14.Head band
- 15.Outer round gasket
- 16.Block nut
- 17. Headband tightness fixed knob
- Headband tightness adjusting knob
- 19.Block nut
- 20.Adjusting nut
- 21.Adjusting knob