

# Auto Tinting welding Helmet

Coal Fire A1

A good welding helmet is one of the most important pieces of P.P.E (personal protective equipment) a welder must wear. It protects the user eyes and skin from sparks as well as the ultraviolet and infrared light which is cast during the welding process.

An auto tinting welding helmet blends the best in protection with the ease of hands-free use. Auto tinting helmets use a photosensitive filter to “tint” the viewing area to a pre-set shade automatically before the light hits the user’s eye. When the weld is completed the viewing area “un-tints”, allowing the user to see his results without lifting the mask.

Using a high-quality auto tinting helmet increases the tinting speed, thus protecting the user better.

But what makes a high-quality helmet?

- CSA or UL approval is a must for any helmet to be considered for use.
- The detection time (tinting speed) must be at least 1/20,000 of a second to ensure the eyes are protected properly.
- Multiple photo sensitive sensors increase the efficiency of the helmet and provides better protection.
- Multiple shade settings so the same helmet can be used for all welding processes in a variety of light conditions.
- Large viewing area for ease of use in confined areas.
- Light weight design to reduce neck fatigue during prolonged use.
- Batteries which can be easily changed and are commonly available.



Sweatband

Lense External Protection

Lense Internal Protection

## WELDING HELMET SPECIFICATION

Viewing Area	98 X 88 mm
Dark State	Internal, Variable shade 5-8 / 9-13
Shade Control	External, Variable
Power On/Off	Fully Automatic
Sensativity Control	Inifnitely adjustable from low to high
UV/IR Protection	Up to Shade DIN16 at all times
Power Supply	Solar Cell + 2 Replacable CR2032 Lithium Batteries
Detection Time(LSAS)	1/25000 S, From Light to Dark
Dark to Light	0.1-1.0 S from low to high
Arc Sensor	4
Light State	DIN 4
Low Amperage TIG	≥5 Amps(DC), ≥5 Amps(AC)
Grinding Function	Yes
Low Volume Alarm	Yes
ADF Self-Check	Yes

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