

## MASTR

### MASTR | LASER WELDING HELMET

Code: 695L000000



#### DESCRIPTION

The Univet "MASTR" laser welding helmet is specifically designed to protect against the scattered and diffused light generated during welding processes performed with hand-held laser systems emitting in the near infrared.

This complete solution is a union of a helmet shell made in a special compound material, a laser protective filter and a welding auto darkening filter. It is able to shield the eye and the face of the user from diffused laser light and from optical radiations generated during the welding process.

#### FEATURES

- Designed for hand-held laser welding systems
- Extended protection for both eyes and face
- Shell entirely made in a special plastic compound, able to resist against laser radiation\*
- Laser protective filter with wide absorption range, which guarantees the visibility of major laser aiming beams (630-670nm)
- Auto-darkening welding filter (ADF) with digital controls and shade "3" light state
- Weight 700g for maximum comfort during long-term use
- Regulation system to adjust helmet height and inclination. Fully adjustable headgear

\*Protection levels according European standard EN207 are reported in the technical specification table

#### HELMET

<b>Material</b> Special plastic compound	<b>Fully adjustable headgear</b> Yes	<b>Replaceable front shield</b> Yes
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#### ADF - AUTO DARKENING FILTER

<b>Filter dimensions</b> 110 x 90 x 9 mm	<b>View area</b> 100 x 53 mm	<b>CE classification</b> W3 / 4-8 / 9-13 V2
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<b>Sensors</b> 4	<b>Light shade number</b> 3 <sup>(*)</sup> 4 when laser filter is mounted	<b>Dark shade number</b> Variable, 4-8 / 9-13
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<b>Shade control</b> Digital	<b>Switching time</b> 40 µs	<b>Sensitivity control</b> Digital
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<b>Delay time control</b> Digital. Adjustable 0.04-2 s	<b>Grinding function</b> Yes	<b>Low battery indicator</b> Yes
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**Power supply**  
Solar cell, Replaceable battery  
(CR2032, 1 pc)

#### CE MARKING - EN166, EN175, ISO 16321-2

<b>Helmet</b> U EN175 F 500g CE	<b>Front shield</b> U FT CE	<b>Auto darkening filter</b> 16321 U W3 / 4-8 / 9-13 V2 CE
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#### ANSI Z87.1 MARKING

<b>Helmet</b> U Z87+	<b>Front shield</b> U Z87	<b>Auto darkening filter</b> U Z87 W3 / 4-8 / 9-13
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#### CSA Z94.3 MARKING

<b>Helmet</b> U Z94.3	<b>Front shield</b> U Z94.3	<b>Auto darkening filter</b> U Z94.3 3 / 4-8 / 9-13
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#### EN207 MARKING

**Complete device**  
840-1250 DIR LB4  
870-1190 DIR LB5  
890-1160 DIR LB6  
915-1140 D LB6 IR LB7 U CE

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