

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

Material Special plastic compound	Fully adjustable headgear Yes	Replaceable front shield Yes
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ADF - AUTO DARKENING FILTER

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

Solar cell, Replaceable battery
(CR2032, 1 pc)

CE MARKING - EN166, EN175, ISO 16321-2

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

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

Helmet U Z94.3	Front shield U Z94.3	Auto darkening filter 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