ZEUS X—10

FACT SHEET

ADF MODEL P50MAXI-S+ W/IL

MODEL NO. AWH-X10

WELD LIGHT



Auto-darkening welding helmet

Protects the eyes from visible light, ultraviolet and infrared radiation in manual arc welding, plasma cutting and gas welding and cutting.



0.33 ms
Switching time, light to dark

116 × 81 mm
Viewing area

DIN 4–8 / 9–13
Dark state: cutting / welding

4
Independent arc sensors

580 g
Weight

TRUE VIEW+ COLOR TECHNOLOGY

True Color reduces eye strain and offers accurate color representation for detailed work. Class 1/1/1/1 lens with UV/IR protection.

LARGE VIEWING AREA

Oversized 116 × 81 mm lens with 180° panoramic view.

01

Four arc sensors

Four sensors react independently to the welding arc and switch the filter from light to dark in 0.33 ms.

02

Weld, cut and grind

Shades 9–13 for welding and 4–8 for cutting, plus a grind mode at shade 3.

03

TACK and MIX modes

Two extra delay modes set the delay and dimming automatically. Manual delay runs from 0.04 to 2.0 s.

04

Lock mode

Locks the filter on the selected shade when the welding arc is not stable.

05

Built-in work light

Runs on a rechargeable Li-ion battery charged via USB-C. Switches off when the arc is struck and back on afterwards.

06

Solar and battery power

Two solar cells and two CR2450 batteries power the filter, indoors or outside in cloudy conditions.

07

Quick-access controls

A MODE control knob and a LIGHT ON/OFF button on the helmet body, in addition to the control panel inside.

08

Side lenses and magnifier mount

Side lenses with removable covers, and a bracket for a magnifying lens (lens not included).

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Technical data

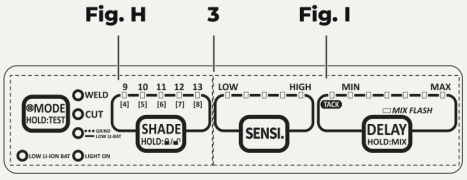
FEATURE	VALUE
Model	ATLAS ZEUS X-10, black Model no. AWH-X10
Filter model	P50MAXI-S+ W/IL
Viewing area	116 × 81 mm
Light state scale number	DIN 3
Dark state scale number	DIN 4–8 / 9–13
Switching time (light to dark)	0.33 ms
Delay time (dark to light)	0.04 to 2.0 s; internal; variable
Shade control	Internal and external; variable
Sensitivity control	Internal; variable
Angle dependence of luminous transmittance class	V2
UV/IR protection	Up to DIN 16, permanent
Arc sensors	4
Low-amperage TIG	> 5 A
Grinding function	Yes, shade 3
MIX function	Yes
TACK function	Yes
ADF self-check	Yes
Power on/off	Automatic
Power sources	ADF: 2 × 3 V DC, CR2450 batteries; solar cells Work light: Li-ion battery; charging via USB-C; charging time approx. 2 h; working time approx. 3 h
Low battery alert	ADF: yes (visual only) Work light: yes (visual only)
Protection against high-speed particles (E)	Impact up to 120 m/s
Operating temperature	-5 °C to +55 °C
Storage temperature	-10 °C to +60 °C
Weight	580 g
Welding processes	MMA; MIG; MAG/CO_2; TIG and plasma welding; arc gouging and plasma cutting
Applicable standards	ISO 16321-2:2021 ANSI Z87.1 · AS/NZS 1338.1 · CSA Z94.3

Not intended for laser welding or oxy-acetylene welding, or for any process that requires a filter of shade 14 or higher. Product lifetime: 4 years, depending on use and exposure to heat and welding particles.





Auto-darkening filter P50MAXI-S+ W/IL with quick-access controls and work light, front and back.



Control panel: MODE, SHADE, SENSI. and DELAY buttons with LED indicators.

Supplied with the helmet

- Harness with sweatband
- 2 × CR2450 batteries and rechargeable battery, pre-installed
- Charging cable
- Side lens covers, 1 set (left and right)
- Magnifying lens bracket, 1 set (2 pieces)

Spare parts

- Inner lens
- Front lens

أطلس. ATLAS.

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