

SENTINEL™ A50

Revolutionary high performance automatic welding helmet



Years of welding have trained you to know exactly what you need in a hood: crucial comfort, large lens, and next generation technology. Every special operation needs special equipment that gets the job done, and when it comes to your helmet, SENTINEL™ is worn by the best.

- Revolutionary shell design - high impact resistance nylon.
- Halo™ headgear - ergonomic, infinitely-adjustable 5 point head gear provides extreme comfort and balance. Low-profile design, central pivot point allows for maximum head clearance while helmet is in the up position.
- 3.93 x 2.36 in. (100 x 60 mm) viewing area. 1/1/1/2 –5-13 ADF.
- Color touch screen control panel with 8 separate memory settings and externally activated shade 4 Grind Button.
- Hard hat adapter option available for use with ESAB hard hat.

Industry

- Industrial and General Fabrication

Application Range

- MIG, TIG and STICK - Range 5-13 ADF
- Low Amperage TIG Rating - ≥ 2 amps
- MIG/TIG Pulse
- Plasma Welding
- Grinding
- Oxyfuel Cutting/Gouging
- Plasma Cutting/Gouging
- Carbon Arc Gouging

Visit **esab.com** for more information.



Halo Comfort 5 Point Harness (front view)



High optical class ADF, with color touch screen interface

SENTINEL™ A50

Specifications	
Cartridge Dimensions	5.2 x 4.5 x 0.35 in. (133 x 114 x 9 mm)
Viewing Area	3.93 x 2.36 in. (100 x 60 mm)
Lens Shade	DIN 5-8/9-13
Power Supply	Solar cell plus battery replaceable. (2 x CR2450 lithium). Alerts when low battery.
Sensors	4
Switch Time	1/25,000 s from light to dark
Classification	1/1/1/2
Standards	DIN Plus, CE, EN 175, EN 379, EN 166, ANSI Z87.1, CSA Z94.3, AS/NZS 1338.1
Weight	1.4 lbs. (640 g)

Ordering Information	
Description	Part Number
SENTINEL A50 Welding Helmet	0700000800

Wear & Spare Parts		
Description		Part Number
1	Front Cover Lens Clear HD	0700000823
1	Front Cover Lens Amber HD	0700000824
1	Front Cover Lens Clear	0700000802
1	Front Cover Lens Amber	0700000803
2	SENTINEL Helmet Shell	0700000804
3	Auto-Darkening Filter (excluding batteries)	0700000806
4	2 x CR2450 lithium battery	0700000807
5	Inside Cover Lens	0700000808
6	Headgear Assembly (including sweat bands)	0700000809
7	Front Sweat Band	0700000810
8	Headgear	0700000811
9	Rear Sweat Band	0700000812
10	Magnifying Glass +1.0 Diopter	0367951001
10	Magnifying Glass +1.5 Diopter	0367951002
10	Magnifying Glass +2.0 Diopter	0367951003
10	Magnifying Glass +2.5 Diopter	0367951004
11	Sentinel Hard Hat Adapter*	0700000619
12	Concept Hard Hat Yellow	0700000052
x	Sentinel Bandana	0700000821

*For use with Concept Hard Hat. For details on assembly, please see separate user guide. Hard Hat Adapter replaces Headgear 0700000809 for the Sentinel A50 with Hard Hat combination.

