

## AerTEC™ OptoMAX welding helmet



### Description

Fully automatic welding helmet (no manual adjustment necessary) with true color view, ADF with shade level range 4/5-13 with autopilot

### Application

Any electric arc welding process Electrode Welding (Stick Welding, SMAW) / MIG / MAG (GMAW) / GMAW High melting rate process / Flux Cored Wire Welding / TIG welding (GTAW) / Plasma Arc Welding / Plasmacutting & Oxy-gas Welding  
Prohibited for laser welding!

DA-088\_-\_40-1006-501\_-\_OptoMAXwoairdistribution\_-\_EN

# TECHNICAL DATASHEET

## **AerTEC™ OptoMAX**

Welding helmet



### *Technical specification*

Product code	40.1006.501 (black), 40.1006.500 (silver)
Shade levels	inactive: Shade level 4 active: Shade level 5-13
Autopilot	ADF with shade level range 4/5-13 with autopilot (automatic shade level adjustment), +/- 2 individual manual offset
Manual mode	Continuous external adjustment in two shade level ranges 5-9 and 9-13
Sensitivity	Continuously adjustable, new with "Super High" sensitivity
Grind mode	External adjustment, shade level 4
Twilight function	Patented twilight adjustment, adjustable from 0.1 to 2.0 seconds.
Switching time	light to dark: 0.170 ms at room temperature 0.110 ms at 55 °C / 137 °F dark to light: 0.1 s - 2.0 s (with twilight function)
Classification	Optical class: 1 Scattered light: 1 Homogeneity: 1 Angular dependence: 1
Power supply	Solar cells, 2 pcs batteries 3V exchangeable (CR2032)
Operating time batteries	Approx. 3,000 hours (operating)
Sensors	3 sensors, variable detection angle with movable sensor slider
Field of view	50 x 100 mm / 1.97 x 3.94"
Shape stability	Welding mask: up to 220 °C / 428 °F Front cover lens: up to 137 °C / 279 °F
Eye protection	Ultraviolet / Infrared Protection: maximum protection at any shade level
Operating temperature	-10°C to + 70°C
Storage temperature	-20°C to + 80°C
Weight	500g

### **Disclaimer Notice**

All the information contained herein is believed to be accurate and is subject to change without notice. Users should independently evaluate the suitability of each product for their own applications. CleanAIR® products are not designed for, and may not be used in, all applications.