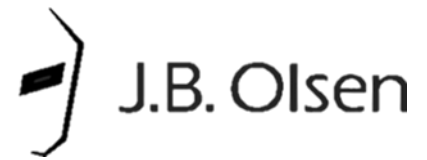


# TECHNICAL DATASHEET



## AerTEC™ X100 / X110

Welding auto-darkening filter (ADF)



### Description

Automatic darkening filter (ADF), consists of liquid crystal displays (LCDs), electronic components, solar cells/batteries, sensors and a UV/IR filter.

### Application

Automatic darkening filter (ADF) is the part of the helmet that automatically darkens when a welding arc is struck.

### Technical specification

Item name	AerTEC™ X100	AerTEC™ X110 TC
True colour	-	✓
Product code	40 51 00	40 51 10
Standards	EN 379	EN 379
Optical classes	1/1/1/2	1/1/1/2
Cartridge size	110 x 90 x 9 mm	110 x 90 x 9 mm
Viewing area	100 x 53 mm	100 x 53 mm
Weight	120 g	120 g
Arc sensors number	4	4
Open state shade	4	4
Closed state shade	9 - 13	9 - 13
Shade adjustment	yes, Internal	yes, Internal
Sensitivity adjustment	yes, Internal	yes, Internal
Delay adjustment	yes, Internal	yes, Internal
Grinding mode	yes, internal	yes, internal
Switching time light to dark	0,03 ms	0,03 ms
Switching time dark to light	0,1 - 1,0 s	0,1 - 1,0 s
UV/IR protection	UV 16 / IR 16	UV 16 / IR 16
Power supply	CR2032 + solar cell	CR2032 + solar cell
Low battery indication	yes	yes
TIG recognition	Enhanced	Enhanced
Working temperatures	-10 °C + 60 °C	-10 °C + 60 °C
Warranty	2 years	2 years
Storage conditions	- 10 °C to + 55 °C, humidity 20 - 95 % Rh	
Operating conditions	0 °C to + 60 °C, humidity 20 - 95 % Rh	