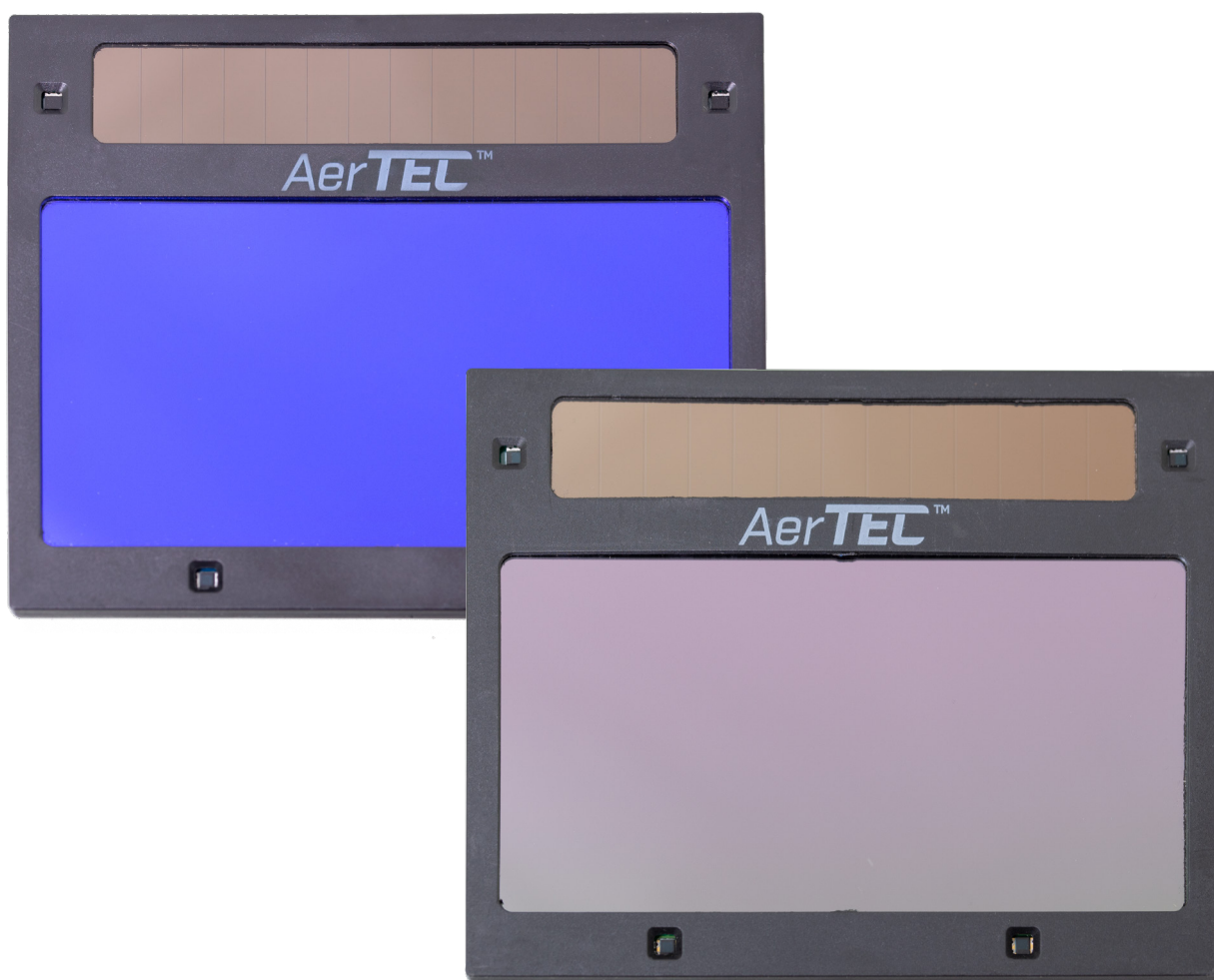


## **AerTEC™ X100 / X110** Welding auto-darkening filter (ADF)



### **Description**

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

### **Application**

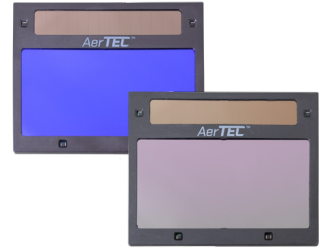
Automatic darkening filter (ADF) is the part of the helmet that automatically darkens when a welding arc is struck.

DA-077\_-\_405100\_and\_405110\_-\_AerTEC\_X100\_and\_X110\_-\_EN

# TECHNICAL DATASHEET

## **AerTEC™ X100 / X110**

Welding auto-darkening filter (ADF)



### *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    |                     |

### **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.