AeroGuard Air Monitor

Measure Welding Fume in your Workshop

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The **AeroGuard Air Monitor** can measure the welding fume level in your workplace in real-time.

Understand the quality of your workshop air in relation to the NEW Workplace Exposure Standard for Welding Fume (**1mg/m³**).

Redefine Your Air Quality

The AeroGuard is equipped with a diverse array of sensors, monitoring for a variety of pollutants and climate factors that impact your comfort and wellbeing.

- **Particulate Matter (e.g. Welding Fume)**

- **Volatile Organic Compounds (VOC)**

- **Carbon Dioxide (CO2)**

- **Temperature**

- **Humidity**

- **Sound**

- **Atmospheric Pressure**

- **Indoor Air Quality (IAQ) Index**

To Measure is to Know

360° LED ring

In a single glance, the prominently displayed 360° LED ring allows you to understand the quality of the air in your workshop.
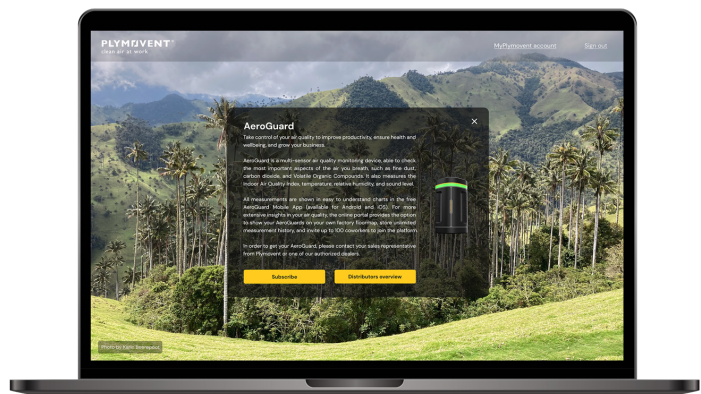
Mobile App

Within the free app, you'll be able to access the gathered data daily, weekly, or monthly from anywhere.

Alerts will instantly update you of any important changes in the work environment.

Online Portal

The AeroGuard devices can also be monitored through a dedicated web portal with a complete repository of historical data, ensuring an extensive record of information.

Customise to Your Environment

With a simple choice made during setup, the LED ring keeps you perpetually updated on the contaminant that matters most to you:
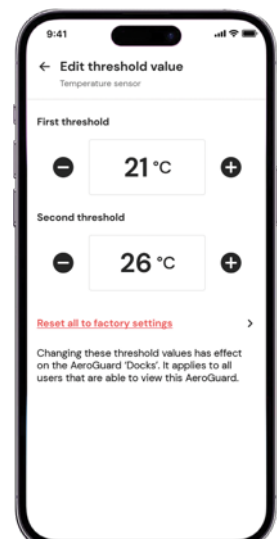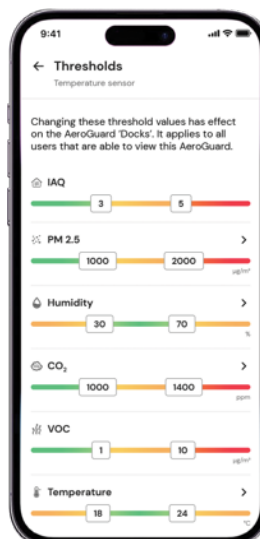
Green
(Good)

Yellow
(Moderate)

Red
(Unhealthy)

If preferred, you have the option to define a single metric along with a specified **threshold value**.

Should the indoor air quality exceed this threshold, AeroGuard can initiate an activation signal to an external system.

This signal could, for example, sound an alert.

Smart Design

360° LED ring

*Quick visual representation
of the air quality*

Circular economy

Made from 46% recycled plastic

Occupies minimal space

Dimensions 130mm x 215mm

Connector (optional)

*Easy to set up to any wall
or tripod mount*

Wide air grid

*Monitoring pollutants
and climate factors*

Sensor cover plate

**User friendly
maintenance**

*Easily replaceable
particle sensor*

Part Number	Product Name
PLYAGSYST	AeroGuard Welding Fume Monitor
PLYAGCART	AeroGuard Cartridge

Mobile App vs Dedicated Web Portal

Features on Mobile App

✅	FREE mobile app available on iOS and Android
✅	Monitor AeroGuards in a list
✅	Access for up to 3 users
✅	Historical data for 30 days

Features on Web Portal

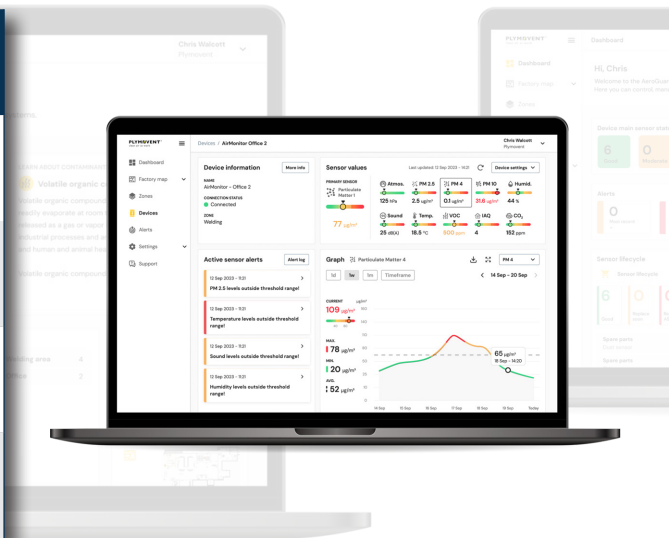|	
✅	Paid subscription
✅	Monitor AeroGuards on your factory map with My Plymovent
✅	Access for up to 100 users
✅	Historical data for an unlimited time

About AWS

AWS was established in 1994 and has played a key role in the welding industry ever since.

As an advocate for welders' safety in Australia and New Zealand, AWS has published numerous Welding Safety White Papers, Welding Industry Reports, and Welding Fume Control Frameworks.

As a company that specialises in welding safety equipment, it is our goal to raise awareness on the important issues that welders face.

For more information on welding fume monitoring, welding PPE, or welding fume extraction options, please contact AWS.

www.apexweldingsafety.com.au

Apex Welding Safety Pty Ltd
T: (02) 9439 0111
E: sales@apexweldingsafety.com.au

facebook.com/apexweldingsafety

youtube.com/awsspeedglas

WATCH THE AEROGUARD IN ACTION!

AEROGUARD AIR MONITOR SPECIFICATIONS

Physical Dimensions and Properties

Dimensions	130 x 130 x 215 mm
Material (housing)	46% recycled plastics (PC/ABS)
Colour	Black
Weight (net)	0.9 kg

Connectivity

Power

Consumption	Max. 10.5 W
Supply	USB type C (included)
Plug	Australia & New Zealand

Connectivity

Wireless	Bluetooth 5.2, WiFi 2.4 GHz
Wired	Ethernet (RJ45)

Relay Outputs (2x)

Potential Free Output	Max. 30 V, 2 A
Output Wires	COM, NO, NC

Sensors & Measurements

Dust Sensor	Particulate matter in µg/m³
	PM_1 · PM_4 $PM_{2.5}$ · PM_{10}
Carbon Dioxide	CO_2 in ppm
Volatile Organic Compounds	TVOC in mg/m³
Indoor Air Quality	Indexed to UBA Standard
Humidity	Relative humidity %
Atmospheric Pressure	Pressure level in hPa
Sound Pressure Level	L_{Aeq} in dB

Ambient Conditions

Suitable for Outdoor Use	No
Temperature	-10 to 40°C
Relative Humidity	Max. 90%

Scope of Supply

The AeroGuard with a Dust Sensor, Wall Mount, Power Adapter and App.