



PLYMVENT[®]
clean air at work

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

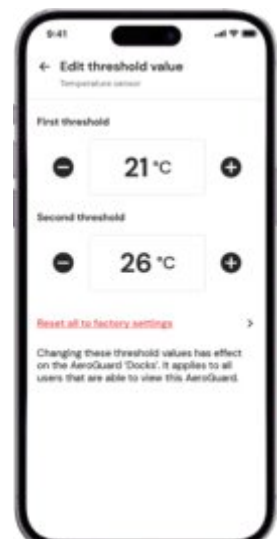
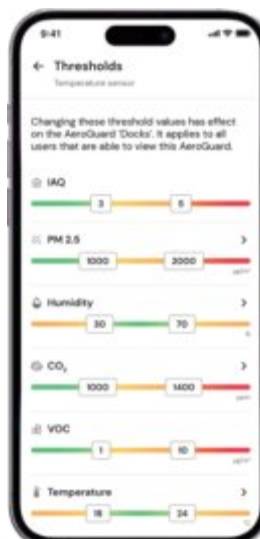
With a simple choice made during setup, the LED ring keeps you perpetually updated on the contaminant that matters most to you:



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 ACL

ACL Industrial Technology is a leading independent industrial supply company. We're on a mission to eliminate supply chain frustration – delivering certainty through increasing productivity and reducing waste with the fast, easy, and hassle-free supply of machinery, welding, safety, abrasives, and industrial products. We source from a growing global network including brands such as Zenarc, RPB Safety, Tyrolit Abrasives, Hyundai Welding, 3M, Hypertherm, Kemppi, Cigweld & Lincoln Electric. Since 1995 we've partnered with firms across Queensland and throughout Australasia to build high-performing supplier relationships.

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AEROGUARD AIR MONITOR SPECIFICATIONS

Physical Dimensions and Properties

Dimensions	1 ³⁰ x 1 ³⁰ x 2 ¹⁵ 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 $\mu\text{g}/\text{m}^3$ PM ₁ • PM ₄ PM _{2.5} • PM ₁₀
Carbon Dioxide	CO ₂ in ppm
Volatile Organic Compounds	TVOC in mg/m ³
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.