

Stay on top of workplace air quality with the Weldclass **ALLCLEAR PD30**. This lightweight, wearable device delivers **real-time Time Weighted Average (TWA) fume readings**, giving you confidence in knowing exactly what your team is breathing. With **12+ hours runtime (with a 1sec sampling rate)**, simple colour-coded visuals, and Australian-made durability, the PD30 is the reliable choice for protecting welders on the job.

* Connect multiple PD30's to our Cloud Platform to keep track of fume control in large and small workshops alike! NB. An annual Cloud Subscription fee applies.

* You can also view the data free on a Mobile Phone, via a WiFi connection.



Time Weighted Average (TWA) Reading



Small and Lightweight 260g



Runtime 12+ Hrs

FEATURES

- ✓ Wearable – Get the real reading of fume from where your people are
- ✓ Designed and Manufactured in Australia
- ✓ Color coded visuals for fast representation of the air quality
- ✓ Shock absorbent protective rubber surround
- ✓ Tough and Durable clip to attach to clothing or belts.

Part No.	Description	Qty	RRP \$ Incl GST
WC-01668	ALLCLEAR PD30 Personal Fume Monitoring Device	1	\$1,799.00

Specifications

Dimensions (mm)	120 (H) x 74(W) x 32(D)
Weight	260g
Power Supply	USB-C
Battery Capacity	Lithium Ion battery 3.7V
Battery Life	+12 hr
Particle Size	0.3um – 10um
Connection	WiFi
Data Storage	3 years data storage



Advanced Technical Data

Product	Allclear PD30 Personal Fume Monitor
Code	WC-01668
Dimensions	Height 120mm Width 74mm Depth 32mm
Weight	260g
Housing Material	Silicone cover
Battery	3.7V Lithium Ion 12+ Hours Run Time 18 Hours power save mode
Charging	5v 1amp USB-C 240v 10amp charger included
Connectivity	Wi-Fi 802.11 b/g/n
CPU	240 Mhz
Mounting	Material clip + D loop ring
Operating Temperature Range	-10°C to +60°C
Operating Humidity Range	0 – 90% non-condensing
Warnings	Inhalable / Respirable TWA8H (Time Weighted 8 Hours) Inhalable / Respirable STEL (Short Term Exposure Limit)
Measuring Methods	Photometric (Scattered Laser)
Laser specifications	Measured particle size - 0.3µm - 10µm Measurement range - 0-5000µm/m³ Sensor accuracy reference - GRIMM, 25+2°C @ 50+10%RH) PM1.0/PM2.5 - 0~35µg/m³ : ±5µg/m³ , 35µg/m³~500µg/m³ : ±15% of reading PM10/Respirable - 0~100µg/m³ : ±25µg/m³ , 101~5000µg/m³ : ±25% of reading Reference dust test: Arizona A1
Measurement Intervals	1 per second / 28,800 per 8 Hour Shift
Sampling Method	Dynamic controlled fan
Display Types	2.4 inch TFT display Full colour display
Calibration & Maintenance	Return to Weldclass for Service & Calibration every 2-Years – from date of issue.
Country of Origin	Australia (Australian Made in Melbourne)
Data	Datalog file format - CSV Datalog file grouping - Daily Datalog retrieval - Webserver - Smart Device or PC Memory capacity - 16 GB SD Card + 4 GB internal