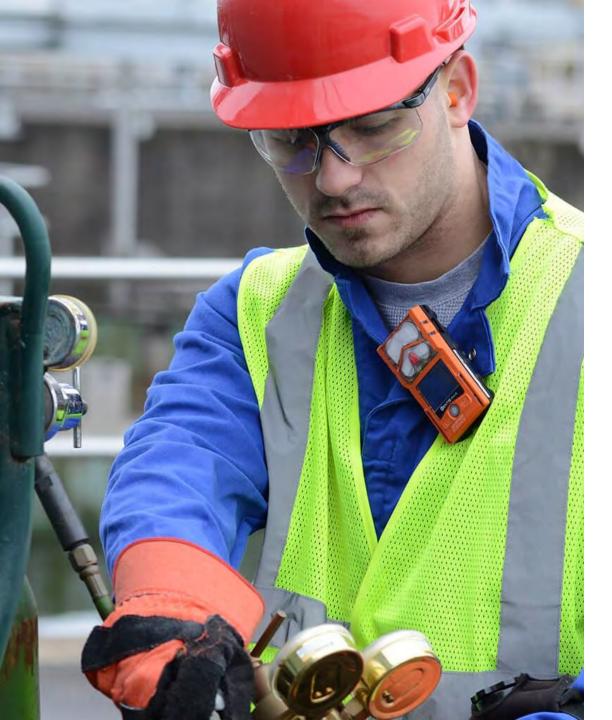




OUTLINE

About Air-Met Scientific
Introducing the AirMetER-AX Monitoring Station
AirMetER-AX Specifications
Equipment Service and Maintenance
AirMetER-AX Applications and Case Studies
LiveSense – Data Portal and Reporting
Future Roadmap
Q & A





ABOUT AIR-MET SCIENTIFIC

A healthy and safe environment is of vital importance to us all. That's why, since 1984, we have made it our mission to deliver reliable measurement and monitoring solutions to OHS and environmental professionals.

- > Local Support: 6 offices nationally
- > Committed to quality: ISO 9001 Certified
- > NATA Accredited:
 - > Iso/IEC 17025 NATA accredited on Calibration of gas detectors including on-site
 - > ISO/IEC 17020 NATA accredited on Overhaul inspections association with explosion protected equipment (Ex i)
 - > ISO/IEC 17025 NATA accredited on calibration and testing of air sampling pumps and flow meters



OUR BRANDS

Partnering with both local and international suppliers to offer industry-leading solutions









































OUR CUSTOMERS

Air-Met Scientific is proud to have worked with some of the most successful small, medium and large companies in Australia































































INTRODUCING THE AirMetER-AX AIR QUALITY MONITOR

MONITORING PARAMETERS

- > 1-7 gases: CO, CO₂, VOC, SO₂, H₂S, O₃, and NO₂
- > PM10, PM2.5
- > General weather conditions
- > Ambient noise

FEATURES

- > Modular design for future sensor requirements or expansion
- > IP65 rated polycarbonate enclosure
- > Datalogging at a minimum of 365 days at one-minute intervals
- > Built-in log and forward capability
- > Remote data access via Air-Met's secure data portal
- > Local service, calibration and onsite support



AirMetER-AX SPECS

General Technical Specification		
Power Requirement	12 VDC	
Rated Power	22 Watts	
Operating Temperature	0 to 50 degrees Celsius	
Operating Humidity	0 – 95% non-condensing	
Operating Pressure	880 to 1150 hPa	

Particulates Measurement – specifications are based on 20°C and 760 mmHg conditions				
Particulate	Range	Resolution		
PM2.5	0-999 μg/m3	0.1 μg/m3		
PM10	0-999 μg/m3	0.1 μg/m3		

AirMetER-AX SPECS

Gases Measurement – specifications are based on 20°C and 760 mmHg conditions				
Туре	Range	Resolution	T90 Response (s)	Min. Repeatable Detectable Level
CO (low range)	0-30 ppm	1 ppb	<30	20 ppb
CO (high range)	0-300 ppm	1 ppm	<25	N/A
CO ₂	0-2000 ppm	1 ppm	<40	15 ppm
voc	0-40 ppm	1 ppb	<10	15 ppb
SO ₂	0-10 ppm	1 ppb	<60	20 ppb
H ₂ S	0-20 ppm	1 ppb	<60	20 ppb
NO ₂ (low range)	0-1000 ppb	1 ppb	<80	20 ppb
NO ₂ (high range)	0-20 ppm	0.1 ppb	<50	N/A
O ₃	0-1000 ppb	1 ppb	<80	20 ppb

Weather Sensor

Integrated climate sensor for weather monitoring

- > Wind speed and direction
- > Air temperature
- > Relative humidity
- > Barometric air pressure

AirMetER-AX SPECS

Noise

Integrated noise monitor using Sound Examiner

- > Range: 30 to 140 dBA
- > IEC61672-1 Standard and ANSI S1.4-1983
- > Class 2 microphone

Enclosure		
Material	Polycarbonate	
Dimensions	500 (H) x 400 (W) x 210 (D)	
Instrument Weight	11 Kg	
Mounting Options	Pole-mount kit supplied (recommended installation method)Wall-mount	

Communication	
PLC or SCADA Integration	Serial RS232
FTP Upload	Cellular or Ethernet

LOCAL SUPPORT

Experienced and dedicated technicians committed to delivering world-class equipment service, maintenance and technical support.

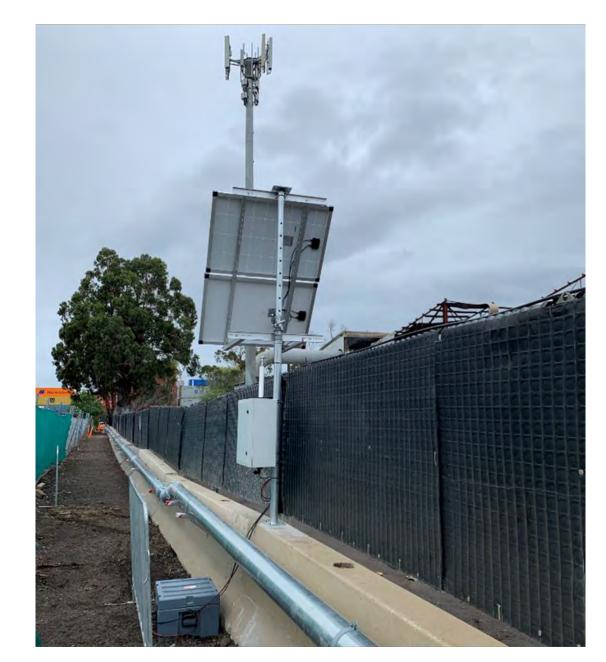




- > Local service agents
- > Manufacture and assembled in Melbourne
- > Ability to provide on-site service and support
- > Local technical support
- > Local calibration of all sensor modules including dust
- > No down-time service options

AirMetER-AX APPLICATIONS

- Site remediation in Victoria
- PM, VOC, weather monitoring
- Long-term deployment: 12-18 months
- Solar powered with elevated panel
- Custom monthly reporting to client specification



AirMetER-AX APPLICATIONS

- Occupational Hygiene in Construction
- Hazards: RD, RCS, DPM, VOCs, +++
- Data logged on LiveSense
- Communication: Mobile Network, Ethernet, WiFi
- Customisable data display and reporting
- Alerts by SMS and email



AirMetER-AX IN CONSTRUCTION APPLICATION



AirMetER-AX SENSOR CONFIGURATION

- > Particulate Matter: PM2.5 and PM10
- > Carbon monoxide (CO)
- > Nitrogen dioxide (NO₂)
- > Volatile Organic Compounds (VOC) photo ionisation detector (PID)

AirMetER-AX SENSOR TRIGGER LEVELS

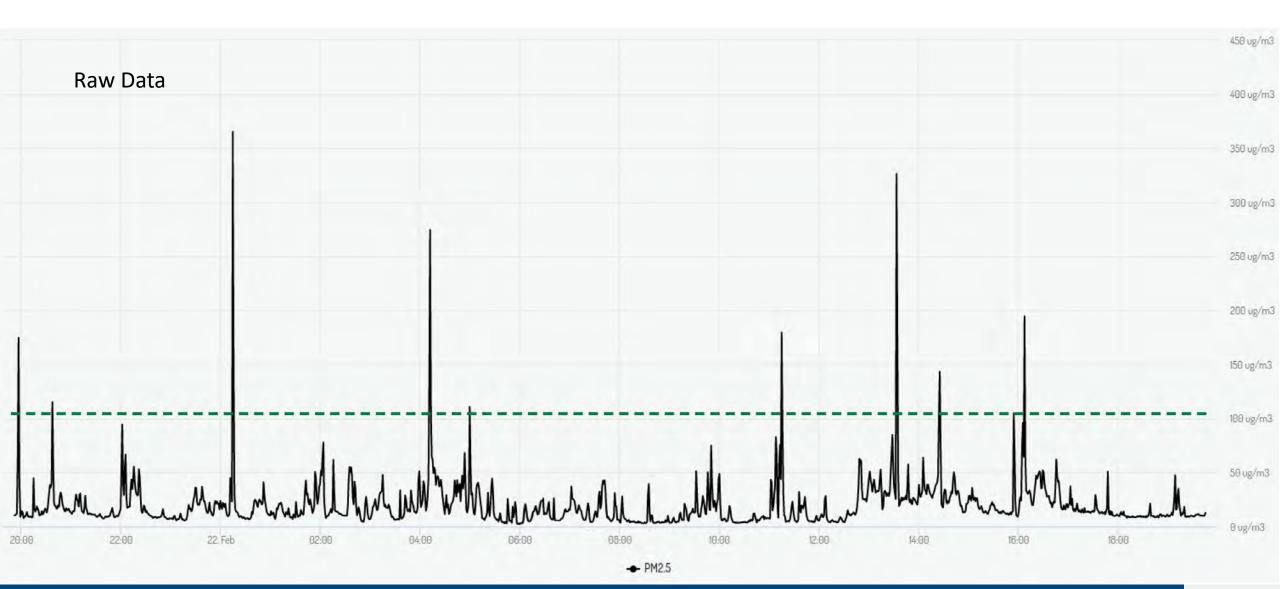
> Particulate Matter: PM2.5: 110 μg/m³

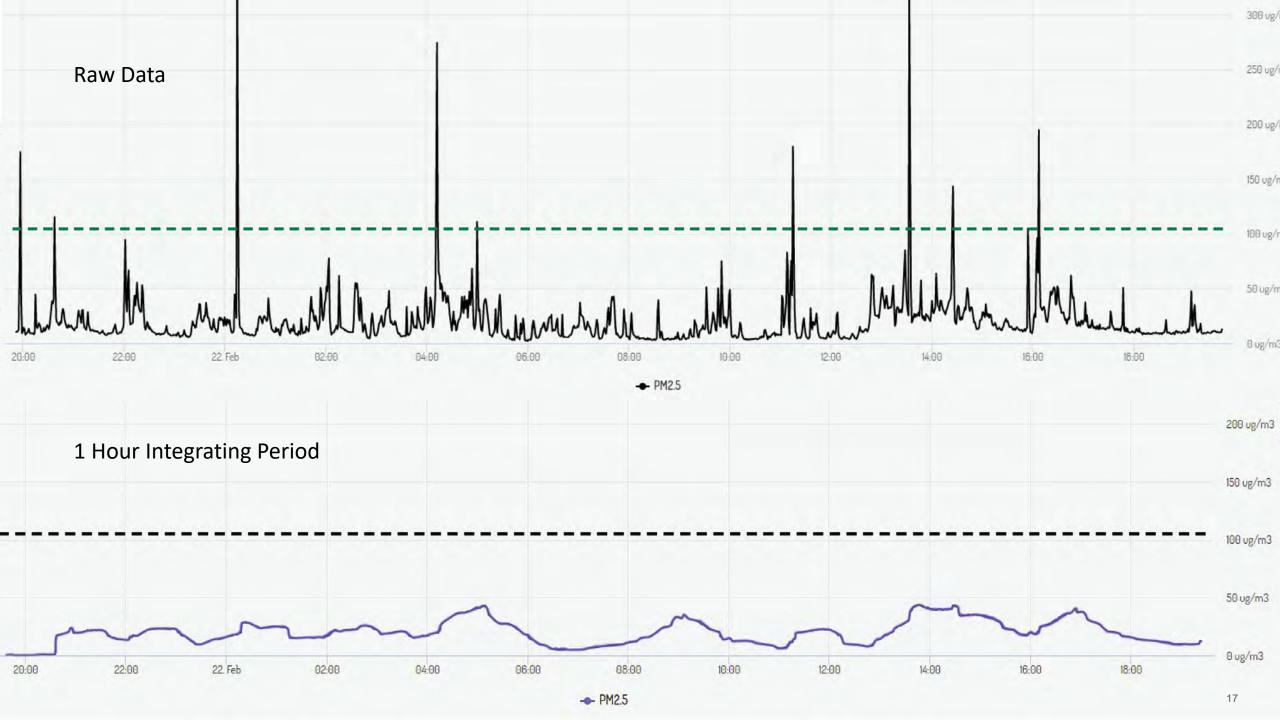
> Carbon monoxide (CO): 12 ppm

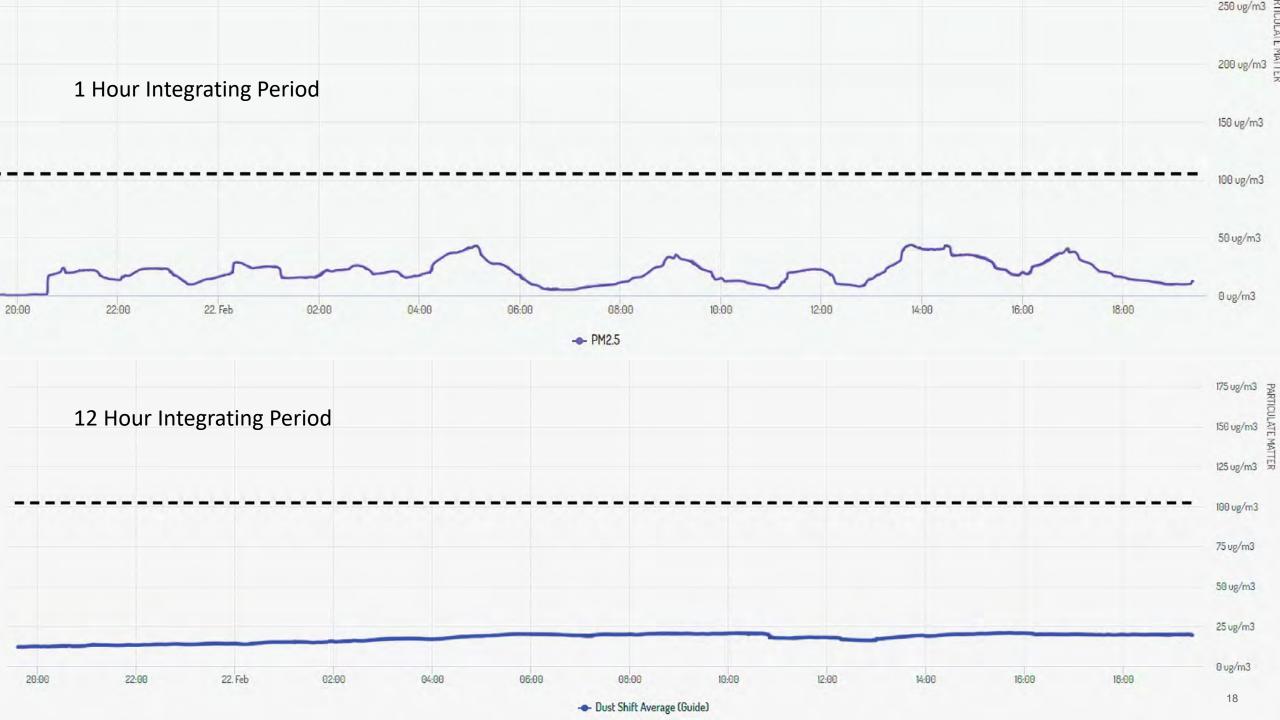
> Nitrogen dioxide (NO₂): 1.2 ppm

> Volatile Organic Compounds (VOC): 128 ppm (corrected for gasoline)

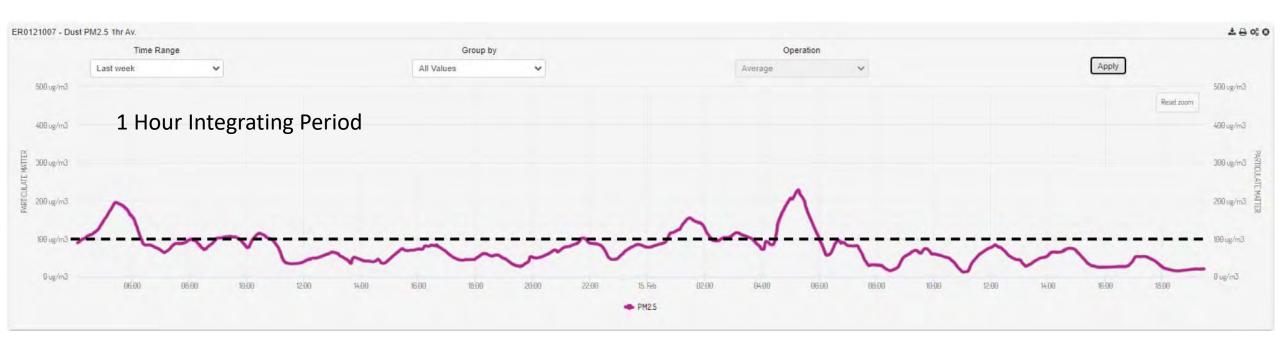
AirMetER-AX – GRAPHED DATA OUTPUT







AirMetER-AX – GRAPHED DATA OUTPUT





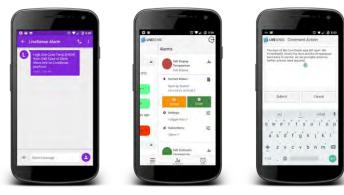
LIVESENSE – NEAR REAL-TIME VISIBILITY

Air-Met's Secure Data Portal Powered By LiveSense



Near Real-Time Visibility

A simple Dashboard configuration allows the area manager to establish individual key performance indicators per area. A simple colour code allows the user to quickly see what operations are running out of specification.



Near Real-Time Alerts

Authorised users are able to set alarms based on near real-time readings. Notifications can be sent to both, multiple email addresses and mobile phone numbers.



Historical Data

All data is stored and collated on secure external servers and can be accessed via computer, tablet or smart phone. This data is stored and can be easily retrieved or downloaded at any time.

DATA AND SECURITY

- > Data is hosted by Amazon Web Services
- > Highly scalable, reliable, flexible and secure environment
- > Data is stored at Amazon Web Services Sydney Data Centre
- > Logical Access Control that are managed by AWS Identity and Access Management (IAM) service.
- > SSL and SSH encryption during transmission



REPORTING

- > Customisable reports for traceability
- > Threshold alert management (SMS and/or email)
- > Auto-report generation





