



pacific data systems
Australia

PDSA Dust MONITOR

4G LTE PORTABLE AMBIENT DUST MONITOR

Industry operators can now rent or buy an industry leading portable and deployable remote dust monitoring solution.

Need advice on your compliance and legislative requirements? PDSA has collaborated with Terra Sana Consultants on the dust monitor and helping clients understand their requirements.

Features and Benefits

- Real time data access via the web for real time decision making, reducing costs and time with efficient response and greater operational understanding of blasts etc.
- Light weight for rapid deployment
- Web Portal Monitoring and Alerting with SatVUE™
- PM2.5, PM10 and respirable dust all at the same time
- Solar Powered with Backup Battery
- Cost effective, create a dust monitoring network on site, add gas and weather, camera and more

Pacific Data Systems Australia Pty Ltd

Emissions Measurements * Drug + Alcohol *
Environmental Monitoring * Post Harvest Technology

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SPECIFICATIONS

Sensor Specifications					
Parameter	Conditions	Value	Units	Variance 0-100µg/m3	Variance 100-1000 µg/m3
Mass concentration size range	PM1.0	0.3 – 1.0	µm	±5µg/m3 AND 5% <i>m.v.</i>	±10% <i>m.v.</i>
	PM2.5	0.3 – 2.5	µm	±5µg/m3 AND 5% <i>m.v.</i>	±10% <i>m.v.</i>
	PM4	0.3 – 4.0	µm	±25µg/m3	±25% <i>m.v.</i>
	PM10	0.3 – 10.0	µm	±25µg/m3	±25% <i>m.v.</i>
Laser Wavelength		660	nm		
Data Logger Specifications					
Enclosure Material	UV stabilized Polycarbonate				
IP	IP68				
Temperature Range	-30°C - +75°C				
SD Card	8GB				
Solar	5W / 12V				
Battery	4x 3.2V, LIFEP04, total 6400mAh				
Antenna	Nominal 2dB, optional external antenna, SMA connection				