

# Dust Monitoring

Real-time, wireless, portable environmental monitoring for safe, compliant worksites

# PMK DUST



Adroit is New Zealand's leading real-time environmental monitoring provider for councils, worksites, construction, civil and heavy industries.



## Portable Worksite Monitoring

Being smarter about how you navigate environmental and health and safety requirements is the best way to avoid costly downtime. The Adroit Portable Monitoring Kit gives you the ultimate on-site visibility, so you have data for better management of health and safety, compliance and complaint mitigation.

Proactive dust monitoring on worksites helps ensure a safer, healthier environment for your workers and the public. With quick and easy installation your team gains access to real-time data which is visualised on the Adroit App, accessible from any connected device.

The Adroit App - designed for the worksite.



Visualise the dust level from your site activity on any connected device

### Compliance Reporting

Adroit products provide accurate, cost effective, continuous monitoring to assist with health & safety, complaint mitigation and internal compliance management. Sensors are validated to compliance standards, however for some applications are not suitable for statutory compliance reporting. We recommend discussing your reporting requirements with your Adroit sales lead and where appropriate consulting a compliance specialist.

## Key benefits



### Portable

Quick and easy set-up. Rugged case for transportation, various mounting options



### Real-time monitoring

Get a clear view of the environmental dust levels from your site activity



### Feature rich app

Customisable thresholds and alerts. Downloadable data and APIs available for integration



### Accurate measurements

Highly accurate and factory calibrated dust sensors measures particle matter 1, 2.5, and 10



### Health and safety

Ensure a compliant, healthy and safe worksite for employees, communities and environments



### Compliance and complaint mitigation

Historic and real-time data to aid management of compliance and complaint mitigation

# How it works



## Portable dust monitoring features

- Battery life up to 10 days from fully charged
- Rugged casing IP67 waterproof. (414 x 345 x 129 mm, weight 5.4kg)
- Charging from AC mains power or can be mains powered
- Dust sensor measures particle matter (PM 1, 2.5, 10)
- Sensor measures dust continuously and transmits data to Cloud every 15 minutes
- Mount via 5/8" tripod connection (tripod not included) or optional wall/post mount bracket
- Suitable usage for all construction, civil and worksites
- Automatic wireless connection via the Spark Cat-M1 network



## Making environmental compliance easier for Dempsey Wood

Dempsey Wood is a family owned innovative civil engineering company that has embarked on a journey in the world of IoT, to help solve dust - one of their biggest environmental challenges.

"Environmental IoT technology gives Dempsey Wood a good understanding of our site activities from real time data, and this enables us to run a safe and compliant work site for our employees and the wider community."

**WALT KERKMEER**  
PROJECT MANAGER, DEMPSEY WOOD

## Portable dust monitoring pricing

Pricing excludes GST

Monitoring solutions	Equipment & installation	Monthly plan
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PMK - Dust	\$7,995	\$60
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Equipment payment terms of 1, 2, 3 and 4 years available for monthly billing on your Spark account.

1 year \$710 p/m	2 year \$375 p/m	3 year \$265 p/m	4 year \$215 p/m
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Optional PMK Wall/Post Mounting Bracket sold separately \$199 +gst



Adroit standard pricing includes upfront equipment and installation and a monthly plan. Adroit configures, installs and supports your environmental monitoring solution to meet your requirements. Adroit provides equipment servicing at locations nationwide. Client self-servicing option available with tools and training provided. Equipment warranty 12 / 24 months as per manufacturer.

## Build a sustainable future with technology and expertise

Spark IoT is proud to bring the expertise of Adroit to our customers across the public sector, worksites, construction, civil and heavy industries.

Help your business prepare for the future with Spark IoT, contact your Spark Client Lead or [iotsales@spark.co.nz](mailto:iotsales@spark.co.nz) to find out more.

