

Environmental Monitoring

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See it safe

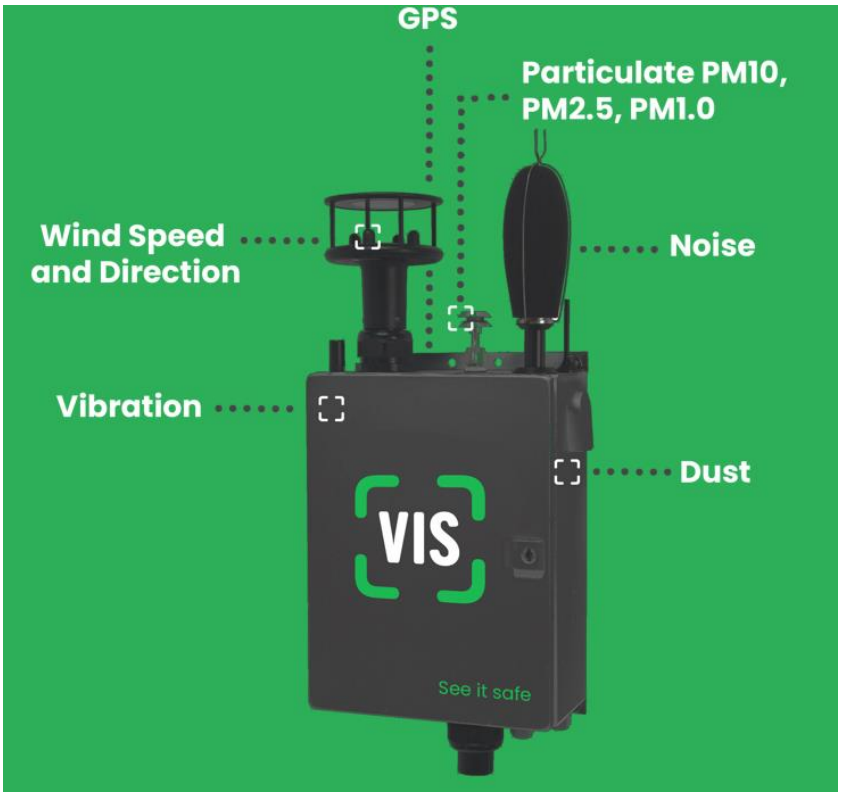
Modular Environmental Monitoring Station

Key Features

- Real-time particulate, noise and ground vibration (PPV)
- Simultaneous PM10, PM2.5 and PM1.0 monitoring
- Web-hosted data with secure, password protected login
- Optional, maintenance free windspeed & direction sensor
- Email and text alerts to nominated recipients
- Manual or automatic reports
- IEC 61672-1 compliant sound level meter
- Wall or pole mounted
- Operates over a wide operating voltage 100-250 VAC

VIS Enviro Station is a web-based remote monitoring system for noise, particulates and ground vibration, either as single 'agents' or in multiple combinations. It is ideal for construction & demolition sites plus many more fence-line applications. Where compliance with limits is required and good relationships with neighbouring people and businesses are a must, VIS can guarantee the smooth progress of your project or manufacturing operations.

The unit is an advanced m-Hub datalogger and web connectivity allows data to be continuously sent to the cloud. Alerts and status reports can be seamlessly delivered to a mobile device.



Plug and Play
Integrated into a small, unobtrusive environmentally sealed housing, VIS Enviro can be configured at the time of ordering for a variety of 'agents' depending upon the specific application or requirements. Installation couldn't be simpler; just bolt to a wall or mount on a pole, apply power and then within a few moments begin transmitting data using cellular connectivity to a secure server.

Configure Reports
- For single or multiple agents at once e.g., noise and dust
- Automatic reports can be set to report daily, weekly or monthly data, direct to your inbox
- Graphical or tabular reports

Alert Configuration
- Configure alerts by text or email
- Can be configured for any measured parameter
- Error alerts, e.g., for power loss

User Configuration
- Different levels of access can be configured to the website
- Specify who just receives reports, or administrator access to configure reports and units
- Configure units on different sites remotely

Reporting and alerts
Administrators can choose the number of Users who have access to data and receive alerts while Users themselves can create and edit reports and because there can be multiple sites and they can easily switch between them.
Reports can be created manually or automatically and can be sent by email to multiple recipients if required. Alerts can be generated when specified limits are exceeded as well as notification of power and communications outages should data not be received when expected by the system. Action can then be taken to investigate the causes of these exceedances to head off potential complaints or citations as well as checking for integrity of the unit itself.

SPECIFICATIONS

Noise:
Accuracy: Class 1 to IEC61672-1
Parameters: LAeq, LAmax, LA10%, LA90%
Measurement range: 20-140dB RMS
Calibration: Via provided acoustic CEL-120/1

Particulate:
Sensitivity: 1ug/m3
Zero stability: +/-2ug/m3
Size fractions: Simultaneous PM10, PM2.5 & PM1.0
Inlet: Heated to reduce moisture affecting measurements

Vibration:
Transducer type: Geophone
Number of channels: 3-axis
Frequency range: 2-250 Hz
Measurement Range: +/- 200 mm/s
Resolution: 0.01 mm/s
Environmental rating: IP65

Winds Speed and Direction Sensor:
Wind Speed: 0-60m/s
Accuracy: +/-2%
Resolution: 0.01m/s
Threshold: 0.01m/s
Wind Direction: 0-359° (No Dead band)
Accuracy: +/-3%
Resolution: 0.1 degrees

General:
Enclosure Protection: IP65
Operating Humidity: <5% to 100%
Logger: Inbuilt logger data transmission via GPRS
Power: 100-250VAC
Mounting: Wall or pole mounted (50mm pole).
Dimensions: 400mm x 300mm x 150mm
Weight: <13kg