

Casella DUST Guardian



Ensure compliance through remote monitoring of dust.

DUST Guardian is a web-based remote monitoring system for dust emissions from construction, demolition or process sites to ensure compliance with regulatory limits.

Applications

- Demolition phase monitoring
- Construction sites
- Roadside / traffic monitoring
- Waste transfer stations
- General compliance monitoring
- Site monitoring strategies
- Planning guidance monitoring
- Section 61 compliance (UK)

Key features

- Proven dust measurement technology
- Selectable TSP, PM10 or PM2.5
- Web hosted data with a secure private login
- Easily export and report data
- Receive real time e-mail and optional text alerts
- Optional wind speed and direction

Permanent Dust Measurement to Protect Your Site

The DUST Guardian offers 24/7 dust monitoring for TSP, PM10 or PM2.5. Based on the Microdust Pro it is housed in a weatherproof enclosure. The unit runs on mains electricity (110V or 240V).

Simple to Install

The enclosure (shown front page) is supplied with U bolts for attaching to a 50mm pole. The unit can also be easily mounted to a wall.

Technical Specification

Particulate

Sensitivity	1ug/m ³
Zero stability	+/-2ug/m ³
Size Fractions	Selectable TSP, PM ₁₀ or PM _{2.5}
Inlet	Heated to reduce moisture affecting measurements
Calibration	Insert provided for onsite calibration

General

Enclosure Protection	IP65
Operating Humidity	<5% to 100%
Logger	Inbuilt logger data transmission via GPRS
Power	220-240 or 110VAC
Mounting	Wall or pole mounted (50mm pole).

Ordering Information

208130D-01	DUST GUARDIAN
208150D-01	DUST, WINDSPEED AND DIRECTION GUARDIAN
208004A-01	GUARDIAN 110V UPGRADE
DATA	Access to dataview247.com is provided via secure login details (GPRS requires a fixed IP SIM card)

Option:

TEXT	SMS/text alarm output module
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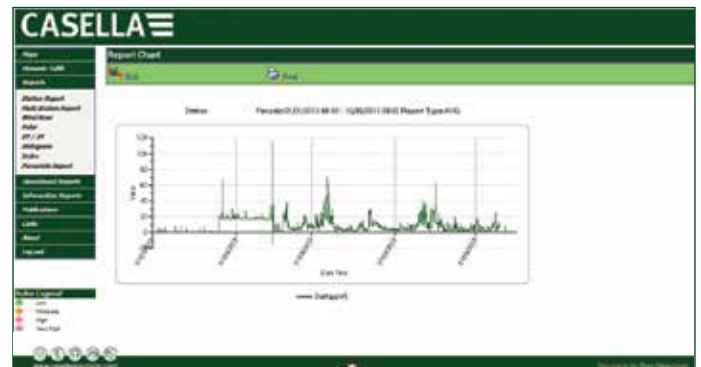
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The data is transferred via GPRS (GPRS requires a fixed IP SIM card) to a dedicated, secure, website www.dataview247.com. This can be viewed in any web browser, via private login, showing real-time and historical data and in addition real-time alarms can be set up via email. Parameters can be displayed over selectable time periods and reports easily created.



Graphical data can be viewed online

Reports can easily be generated

Data can be exported as spreadsheets

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