

Casella BOUNDARY Guardian



Ensure compliance through remote monitoring of noise and dust.

BOUNDARY Guardian is a web-based remote monitoring system for noise and/or 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)
- PPG24 compliance (UK)

Key features

- Real time dust (PM10, PM2.5 or TSP) and noise levels (LAeq, LAFmx)
- IEC61672-1 Compliant Sound Level Meter
- Heated inlet to reduce moisture
- Proven dust measurement technology
- Maintenance free wind speed and direction sensor (optional)
- Noise percentile readings (e.g. L90)
- Email and text (optional) alarms for exceeded noise and dust levels
- Web hosted data with a secure private login
- 'Noise' or 'dust' only versions

The only on-site and boundary monitor you will ever need

Casella BOUNDARY Guardian for boundary and site monitoring applications provides simultaneous, remote monitoring of dust, noise, wind speed and direction.

Local alarms and email can be transmitted to site managers if dust or noise limits are exceeded.

The first simultaneous multi parameter monitor for dust and noise manufactured in the UK from a single manufacturer.

The system can be purchased with any combination of noise, dust, wind speed and direction to meet your site's requirements.

Environmental dust and noise compliance made easy

Data Anytime and Anywhere

- Access your data via any web browser
- Receive real-time e-mail alerts
- Extract data and produce reports easily

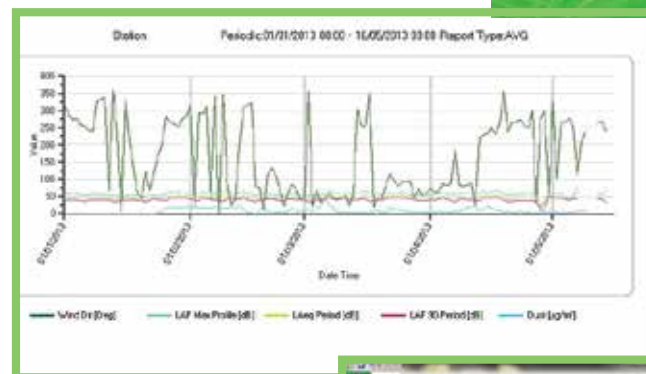
The data is transferred via GPRS to a dedicated, secure, website www.dataview247.com. This can be viewed in any web browser, via private login, showing real-time and historical data and in addition real-time alarms can be set up via email.

Reports can be easily created for multiple parameters: Noise: LAeq, LA_{max}, LA₁₀, LA₉₀, PM₁₀, PM_{2.5} levels or TSP as well as wind speed and direction; all over selectable time periods.

Maps
Dynamic Table
Reports
Station Report
Multi Station Report
Wind Rose
Polar
XY / ZY
Histogram
Index
Percentile Report
Operational Reports
Information Reports
Publications
Links
About
Log out



Construction monitoring

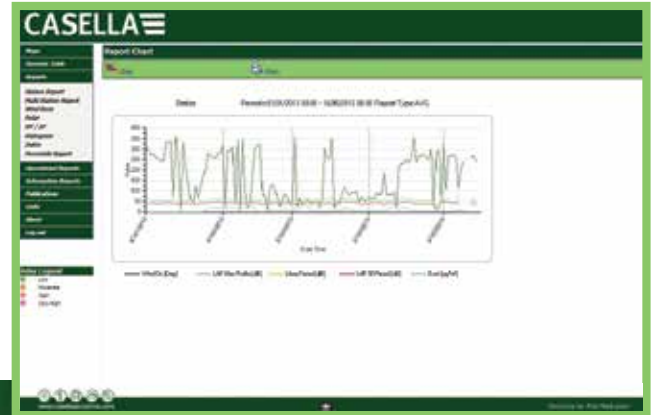


Produce Graphical or text reports

Simple menu structure



Demolition monitoring



Access and analyse your data via our dedicated website www.dataview247.com



Waste management

Date Time	LAF PPM	LAF 10m PPM	LAF 20m PPM	LAF 30m PPM	Wind Speed	Dust
01/01/2013 00:00	70.45	45.53	48.50	30.58	1.7	0.0
01/01/2013 01:00	82.06	49.88	50.75	35.56	2.1	0.0
01/01/2013 02:00	58.60	45.23	49.00	33.00	2.2	0.0
01/01/2013 03:00	60.38	42.33	46.41	30.33	1.9	0.0
01/01/2013 04:00	63.02	41.72	45.63	29.13	2.0	0.0

Easy to print, export and report data



Roadside monitoring

Specification:

Noise:

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

Particulate:

Sensitivity: 1ug/m³
 Zero stability: +/-2ug/m³
 Size Fractions: Selectable TSP, PM10 or PM2.5
 Inlet: Heated to reduce moisture affecting measurements
 Calibration: Insert provided for onsite calibration.

Wind Speed and Direction Sensor:

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

General:

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

Ordering Information:

208110D-01	NOISE AND DUST GUARDIAN	208150D-01	DUST, WINDSPEED AND DIRECTION GUARDIAN
208120D-01	NOISE GUARDIAN	208160D-01	NOISE, DUST, WINDSPEED AND DIRECTION GUARDIAN
208130D-01	DUST GUARDIAN	208004A-01	GUARDIAN 110V UPGRADE
208140D-01	NOISE, WINDSPEED AND DIRECTION GUARDIAN	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

Casella

Regent House, Wolseley Road,
 Kempston, Bedford, MK42 7JY.
 United Kingdom
 Tel: +44 (0) 1234 844100
 Fax: +44 (0) 1234 841490
 Email: info@casellameasurement.com
 Web: www.casellameasurement.com

Casella Inc.

415 Lawrence Bell Drive, Unit 4
 Buffalo, NY 14221, USA
 Toll Free: (800) 366-2966
 Tel: (716) 276 3040
 Fax: (716) 276 3043
 Email: info@casellaUSA.com

Ideal Industries India Pvt.Ltd.

229-230, Spazedge, Tower -B Sohna Road,
 Sector-47, Gurgaon-122001, Haryana (India)
 Tel: +91 124 4495100
 E-mail: Sanjeev.Munjal@ideal-industries.in

Ideal Industries China

Room 1702, Citychamp Building, No.12 Tai
 Yang Gong Zhong Lu, Chao Yang District,
 Beijing 100028, China
 Tel: 8610-85183141
 Fax: 8610-84298061
 Email: info@casellameasurement.cn

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