CASELLA GUARDIAN

Casella Boundary Guardian

Remote Boundary Monitoring of Noise, Dust and Meteorological Parameters

Applications

- Demolition phase monitoring
- Construction sites
- Roadside / traffic monitoring
- Waste transfer stations
- General compliance monitoring
- Site monitoring strategies
- Planning guidance monitoring
- Section 61 compliance
- PPG24 compliance
- Monitoring entertainment noise

Key features

- Real time dust (PM10, PM2.5 or TSP) and noise levels
- IEC61672-1 Compliant Sound Level Meter
- Heated inlet to remove moisture
- Proven dust measurement technology
- Maintenance free wind speed and direction sensor
- 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

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.

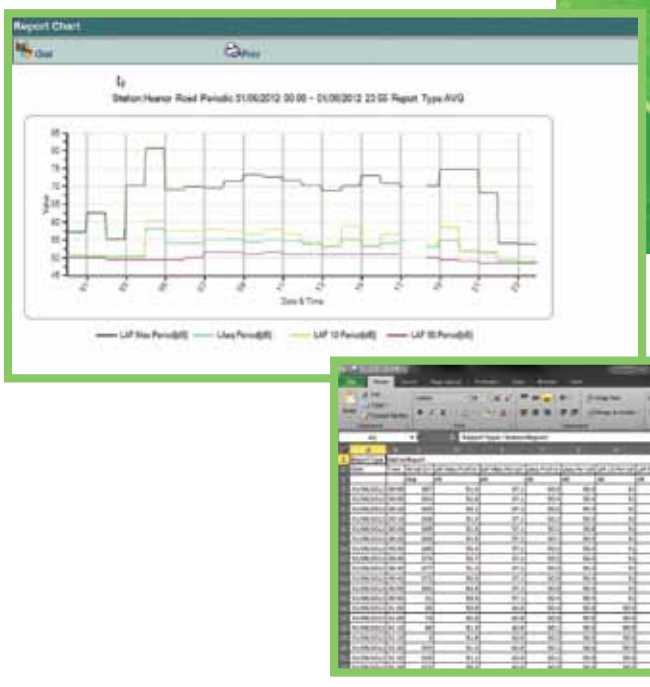
Roadside monitoring

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**

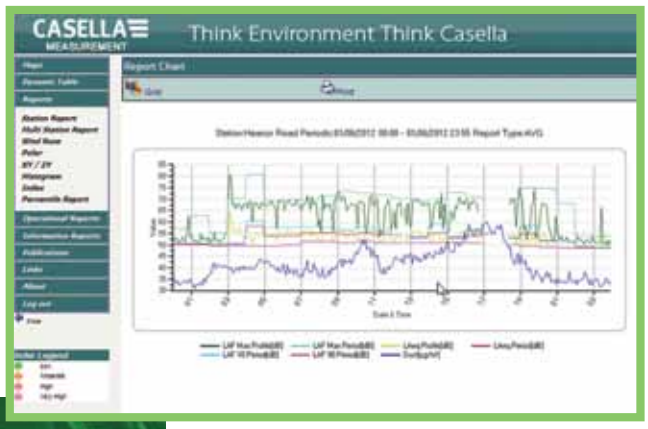
A dedicated website www.dataview247.com is available which allows users and enforcers to view real time and historical data from the Casella Boundary Guardian. Combinations of measured parameters can be displayed individually or together, over selectable time periods. Reports can easily be created for multiple parameters simultaneously. Noise: L_{Aeq}, L_{Amax}, $L_{A10\%}$, $L_{A90\%}$, PM_{10}, $PM_{2.5}$ levels or TSP as well as wind speed and direction; all over selectable time periods.



Produce Graphical or text reports

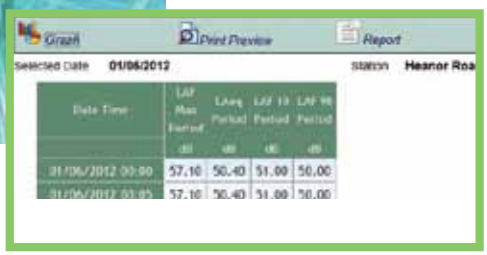
Simple menu structure

Waste monitoring

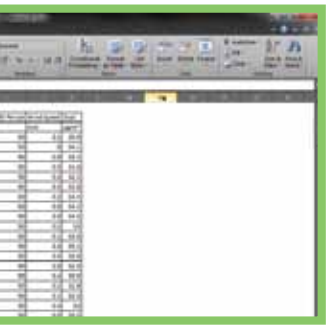


Access and analyse your data via our dedicated website www.dataview247.com

Demolition monitoring



Easy to print,export and report data



Construction monitoring

Specification:

Noise:

Accuracy:	Class 1 to IEC61672-1
Parameters:	LAeq, LAmax, LA10%, LA90%
Measurement range:	20-140dB RMS
Total noise floor:	19dB(A) Class 1
Calibration:	Via provided acoustic CEL-120/1 calibrator (supplied)

Particulate:

Sensitivity:	1ug/m3
Zero stability:	+/-2ug/m3
Size Fractions:	TSP, PM10 or PM2.5 selectable via PUF filters
Inlet:	Heated to prevent 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:	0-3590 (No Deadband)
Accuracy:	+/-3%
Resolution:	10C

General:

Protection Class:	IP65
Operating Temp:	-10 to +400C
Operating Humidity:	<5% to 100%
Logger:	Inbuilt logger data transmission via GPRS
Power:	220-240VAC or 110V
Mounting:	Wall or pole mounted (50mm pole). Note must be specified at time of order.

Ordering Information:

MAM1	Noise and dust	MAM4	Noise, wind speed & direction
MAM2	Noise	MAM5	Dust, wind speed & direction
MAM3	Dust	MAM6	Noise, dust, wind speed & directio

Option:

Enhanced Alarms	SMS/Text alarmoutput module
Data Access	Access to dataview247.com is provided via secure login details.

Distributed by

Casella CEL

Regent House, Wolseley Road, Kempston, Bedford MK42 7JY. United Kingdom
Tel: +44 (0) 1234 844100 Fax: +44 (0) 1234 841490 Sales: +44 (0) 1234 847777
Email: info@casellacel.com Web: www.casellameasurement.com

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