

Environmental Monitoring

Casella Guardian2

The Guardian2 Site Boundary Monitor is designed to help you remain compliant with site emission levels, using remote monitoring and reporting of noise, dust and vibration levels. Powered by mains, solar or battery, the Guardian2 is ideal for any construction noise monitoring or environmental dust measurement location, no matter how remote.

- Real-time particulate, noise and ground vibration
- Simultaneous PM10, PM2.5 and PM1.0 monitoring
- Web-hosted data with secure, password protected login
- Optional, maintenance-free windspeed and 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 100-250VAC

Plug and Play

Integrated into a small environmentally-sealed housing, Guardian2 can be configured at the time of ordering for a variety of different 'agents' depending on the specific application or requirements. Installation is easy, simply bolt to a wall or mount on a pole, apply power and it will begin transmitting data using mobile connectivity.

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 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. loss of power

User configuration

- Various levels of access can be configured to casella247.com
- Specify who receives reports and has access
- Configure Guardian2 units on different sites remotely



| Features | |
|----------------------|---|
| Enclosure Protection | IP65 |
| Operating Humidity | <5% to 100% |
| Logger | Inbuilt logger data transmission via GPRS |
| Mains Power | 100-250VAC |
| Mounting | Wall or pole mounted |
| Dimensions | 400 x 300 x 150mm |
| Weight | <13kg |



CEL-240 Sound Level Meter

An easy-to-use Sound Level Meter, designed to take measurements of noise in a variety of applications. With the graphical display the CEL-240 can display the time-history of noise levels, allowing an easy assessment of the current noise environment.

- Fully compliant with IEC 61672 2002 Class 2; IEC 60651 type 2
- 30-130dB RMS measurement range
- A and C weighted sound levels
- Selectable fast, slow or impulse time weighting
- 2-key operation for intuitive ease of use
- Class 2 microphone

CEL-633 Sound Level Meter

A versatile Sound Level Meter for both workplace and environmental assessments. The displayed information can be made as simple or comprehensive as required and all measurement parameters are stored simultaneously, so no incorrect measurements can be made.

- Simultaneous measurements of all workplace noise parameters
- Standard set-ups for workplace noise legislation
- Measures parameters for hearing protection selection by the SNR, HML and Octave band method
- Analyse time history of noise levels
- Class 1 microphone



dBadge2

The dBadge is perfect for personal noise exposure measurements around the workplace by using the latest digital technology. It eliminates the need for cables and weighs only 71g and is simply operated by the two keys on the side of the dBadge.

- Bluetooth connectivity and Airwave App
- Measures and logs all workplace noise parameters
- 28-hour battery life, fully charges in 6-hours
- Integrated display and visual exposure alarm
- Simple auto-calibration function
- Optional Octvae band analysis and recording of audio

CEL-712 Microdust Pro

The Microdust Pro is a portable, real-time monitor for assessing the concentration of suspended matter. It is a versatile instrument with the ability to measure a range of 0.001mg/m³ – 250,000 mg/m³. It is a real-time dust monitor capable of graphically presenting variations in dust concentration on a real-time scrolling graph.

- Real-time graphical display of dust levels for instant assessment
- Unique removable sampling probe
- Unique on-site calibration insert

