



Product Guide Noise, Dust and Vibration



Noise Monitoring Products

dBadge2 Series Personal Noise Dosimeters



The dBadge2 is the ideal tool for a variety of workplace noise assessments and campaigns with the added benefit of Bluetooth® connectivity to remotely monitor your worker and email run data to your laptop. It has all the functionality of the classic dBadge with new optional features including octave band analysis and the recording of audio events.

Choose between the Standard, Plus and Pro dBadge2 models.

- Optional audio recording and real time octave band analysis
- Bluetooth® 4.0 wireless connectivity
- Airwave Mobile App for phones and tablets
- Motion Sensor
- Multiple 'simulated' dosimeters
- Pause function
- Measurements in accordance with CFR 1910.95, ISO9612:2009, L108 Controlling Noise at Work

dBadge Series Personal Noise Dosimeters



The classic dBadge noise dosimeter is a cable free personal noise dosimeter. It is ideal for ensuring compliance with workplace noise legislation and because it is small enough to be mounted on the shoulder and cable free, it enables monitoring without disturbing the worker. The dBadge is also intrinsically safe which means it can be used in the harshest of environments.

Choose between the Standard, Plus and Pro dBadge models.

- Intrinsically safe versions
- Compact design making it unobtrusive to the wearer
- 28 hour battery life, fully charged in 90 minutes
- Visual exposure alarm and integrated display to see levels at a glance
- Simultaneous 'C' and 'A' weighted measurements
- Displays dose and projected dose values.

24x Series Sound Level Meters



A simple survey instrument such as the 24x Series Sound Level Meter is ideal for general noise measurements like walk through surveys, spot checks on machinery or testing of fire alarms. Using the latest digital technology the sound level meter is able to give the highest levels of accuracy and performance. Use in conjunction with the Casella NoiseApp, a web based application to analyse and store data.

Choose the CEL 240 Sound Level Meter or the CEL 246 Sound Level Meter with averaging and datalogging.

- Simple operation for quick and easy measurements
- Compact rugged design for industrial environments
- Over 35 hours battery life (3 x AA)
- High resolution graphical display for clear results in real time
- USB output to download collected data & generate reports with the Casella Noiseapp
- Meets IEC 61672 class2 (IEC 60651 where appropriate) and ANSI S1.4 for compliance

62x Series Occupational Sound Level Meters



The 62x Series of Integrating Digital Sound Level Meters can be used for the measurement of all workplace noise parameters to comply with workplace noise legislation, e.g. EU, OSHA and ACGIH. Use the 62x Series to carry out occupational noise assessments or machinery noise tests as well as to assist with the selection of hearing protection.

Choose a 62x Series model to suit your requirements: Either a Class 1 or Class 2 model, with or without real time Octave Band analysis.

- Simple operation for quick and easy measurements
- Single large measurement range
- Large memory stores multiple measurements
- Pre-defined and user-defined configurations
- Real time Octave Band analysis (*B versions)
- Meets IEC 61672, IEC 60651 and ANSI S1.4 (class 1 or 2, model dependent) for full compliance

63x Series Advance Occupational and Environmental Sound Level Meters



The 63x Series of sound level meters are the most versatile of meters available; ideal for both workplace noise assessment (ISO9612, OSHA CFR 1910.95) and environmental measurement (1996, BS4142). Ensure compliance with workplace noise legislation and use the 622 to assist in the selection of hearing protection. For environmental noise monitoring, the 633 can be used for boundary noise assessment, noise nuisance complaints or in the construction industry - section 61 notices.

Choose a 63x Series model to suit your requirements: Either Class 1 or Class 2 and with or without real time Octave Band Analysis.

- Large single noise measurement range - up to 140dB
- Data marking and audio recording to identify triggered events
- Add voice notes to measurements
- Real time octave and 1/3 octave measurements (B&C models)
- More than 1 year of data storage (2GB)
- Environmental outdoor kit available
- Meets IEC 61672 and IEC 60651 and ANSI S1.4, Class 1 or 2 (depending upon model) for full compliance

Hand Arm Vibration

HAVex Tri-Axial Hand Arm Vibration Meter



The HAVex Tri-Axial Hand Arm Vibration Meter is a simple to use meter allowing you to measure the levels of vibration that can be transmitted to the hand from power tools. This enables you to carry out risk assessments or compile a tool database.

Supplied as a kit with everything you need to start monitoring including Vibdata Lite software to review and report your data.

- Simple operation with large colour display
- Robust accelerometer & cable
- Large flash memory
- Easily view, export and report data with the Vibdata Lite software
- Supplied as a kit - everything you need to begin measuring
- ISO 5349 : 2001 Mechanical Vibration - Guidelines for Measurement

Air Monitoring Products

Apex2 Personal Air Sampling Pump



The Apex2 range of sampling pumps combine class beating performance with great new features. Get connected with Bluetooth® and the Airwave™ App for your mobile device to easily send data direct to your laptop.

Available as Standard, Plus and Pro models. Bluetooth available is Plus and Pro models only. Whilst the Pro model has advanced programming capability. Patents pending.

- Class beating performance
- Bluetooth® connectivity to your mobile device
- Slim ergonomic design for improved wearer acceptance
- Motion Sensor
- Clear, simple menu structure
- Fully compliant with ISO13137 and IP65 rating

Tuff Personal Air Sampling Pumps



The Tuff pumps are personal sampling pumps with a range of models to suit application and price. The Tuff pump is intrinsically safe which means it can be used in the harshest of environments.

Available as Tuff Standard, Plus and Pro models.

- Robust and reliable design for harsh environments
- Diagnostic monitoring of pump and battery service life
- Intrinsically safe models available including M1 rated for mining.
- Intuitive user interface and menu
- High intensity status/alarm LEDs
- Fully compliant with ISO13137

Microdust Pro Real Time Dust Monitor



The Microdust Pro is a real-time hand held, data logging instrument for the detection of airborne dusts, fumes and aerosols. It is a simple to use instrument which gives the user the additional qualitative data which cannot be gained by gravimetric air sampling methods alone. This extremely versatile instrument can also be used with a range of accessories for static and size selective sampling applications.

- Real-time graphical display of dust levels for instant assessments
- Simple icon driven user interface for ease of use
- Unique removable sampling probe
- Unique on-site calibration insert
- Environmental enclosure available for boundary monitoring applications

Air Sampling Consumables



Casella carries a broad range of air sampling consumables and accessories for dust, gas and vapour and asbestos sampling. Visit www.airsamplingsolutions.com for the full range and also a comprehensive hazard search to help you identify sampling methods and the accessories you need.

- Filter media for dust and asbestos sampling
- Sorbent tubes for gas/vapour
- Sampling heads and cassettes
- Field calibrators and a full range of accessories

Software Products

Casella Insight data management software



Casella Insight data management software is a powerful tool to download, analyse and report either workplace or environmental noise data.

CASELLA INSIGHT

- Store data by person, place or task
- Manage multiple instruments
- Analysis of noise level time history
- Replay voice notes and event audio
- Generate comprehensive reports

Casella Airwave App



Monitor the dBadge2 and the Apex2 direct from your Android mobile device without disturbing the worker. Email run data alongside photos and notes from your smartphone or tablet to your laptop for easier reporting.

- Start, stop and pause the run from your mobile device
- Email run data
- Colour coded operation
- Simple functionality

Casella NoiseApp



With the Casella NoiseApp you can easily calculate workers' noise exposure (LEP,d or LEX8hr or TWA), carry out Hearing Protection Assessments (OSHA, NNR or ISO, HML), create Noise Rating (NR) and Noise Criterion (NC) Curves and easily produce your reports using standard templates.

- Supports the CEL62x & CEL24x series sound level meters
- Web based application accessible through your browser <http://noiseapps.casellasolutions.com/>
- Easily transfer measurements and create reports or transfer to Excel

Casella reserves the right to amend the specification without notice.

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