



# WEB-BASED NOISE, VIBRATION, DUST AND WEATHER MONITORING

**NOW WITH  
4G MODEM &  
ROAMING SIM**



## NOISE, VIBRATION, DUST & WEATHER ALL ON ONE WEBSITE

- SITE PROVEN AND CERTIFIED MONITORS
- STRATEGIC AND PRACTICAL CONTROL OF NOISE, VIBRATION, DUST AND WEATHER USING YOUR COMPUTER, PHONE OR TABLET
- REAL-TIME DATA AND ALERTS
- CURRENT AND HISTORIC DATA AVAILABLE ON THE WEBSITE
- CURRENT AND HISTORIC DATA DOWNLOADABLE AS CSV FILES



## ALL AT A REALISTIC PRICE AND BACKED BY INDUSTRY-LEADING CUSTOMER SUPPORT

LivEnviro provides real-time monitoring of Noise, Vibration, Dust and Weather on a single user-friendly web platform.

LivEnviro has rapidly become market leading due to a combination of factors:

- A single website for monitoring Noise, Vibration, Dust and Weather
- An easy to use and intuitive web interface
- Reliable, accurate, industry-leading sensors
- KPN Roaming Network - Searches for the strongest signal strength
- Industry-leading technical support and customer service
- Competitive hardware pricing and subscription rates
- A single point of contact that takes responsibility for ensuring the availability of environmental monitoring data

# LIVE TO WEB NOISE MONITORING THE USING THE RION NL-52 CLASS 1 SOUND LEVEL METER



- **NEW** 1/3 Octave measurements now available on LiveLeq with extended and improved functionality, including Rolling Leq
- Up to 5 Simultaneously Applied Noise Limits during any Time Period - with option to record Audio Exceedance clips
- "Listen Live" Audio Function
- The Whole System Including the Outdoor Microphone Protection has been independently Type Tested to IEC 61672 Class 1
- Maximum update rate 1 minute
- LAeq, LAmax, and up to five percentiles
- Calculates Effective Remaining Limit (ERL) for Leq Limits and can generate an Amber Alert when this indicates the limit is likely to be exceeded at the end of the Timebase
- The Rion NL-52 is a Market Leading Sound Level Meter which can be used on its own when not being used in the LiveLeq System
- Data Stored on the NL-52 on site as CSV files which can be opened into Excel as a backup
- The Rion NL-52 can also be used to store high quality audio for post processing (option)
- Flexible case options including Lamp Post Mounting solution
- Range of power options, IP rated Mains supplies or Solar Options



## LIVE TO WEB VIBRATION MONITORING USING THE PROFOUND VIBRA+ OR THE RION XV-2P

- Rion XV-2P for simultaneous VDV and PPV & Dominant Frequency and Displacement
- Profound Vibra+ for PPV, Dominant Frequency & Displacement
- Maximum update rate: 1 minute for Rion XV-2P, 5 minutes for Vibra+
- BS 6472 Compliant (Rion XV-2P)
- User Settable, Independent Multiple PPV & VDV Limits & Time Periods
- BS 5228: Part 2 & BS 7385: Part 2 Frequency-Dependent PPV and Displacement Limits (when frequency is < 4 Hz); and DIN 4150: Part 3 Building Damage Limits built in for easy Limit configuration
- User Selectable broadband and frequency dependent PPV Limits
- Multiple limits can be applied simultaneously & Users can define whether any specific limit is an Amber or Red
- A range of different mounting options are available for the separate tri-axial sensors
- Both instruments have a built-in display and can be set up on site without a computer
- Both instruments can be used on their own when not being used in the LivePPV System
- Geophone cone available for subterranean monitoring (Vibra+)
- Profound Vibra+ LivePPV System has an up to two month standard battery life with options to extend including Solar Power



# **NEW LIVE TO WEB DUST MONITORING USING THE TSI DUSTTRAK™ WITH MCERTS CERTIFICATION FOR PM10, AND PM2.5 SIMULTANEOUSLY**



- DUSTTRAK™ DRX model supports simultaneous PM1, PM2.5 (MCerts), PM4, PM10 (MCerts) & TSP Measurements
- DUSTTRAK™ II model supports PM10 or PM2.5 MCerts Measurements
- Housed in a weather-resistant & secure lockable enclosure
- Aerosol concentration range 0.001 to 150 mg/m3
- MCerts Certification for PM10 and PM2.5 with a 0 to 10,000 µg/m3 measurement range, including when taking simultaneous measurements
- Heated inlet sample conditioning minimizes effects of humidity and water vapour to provide more consistent measurements
- Maximum update rate 1 minute
- Up to 5 Simultaneously Applied Limits during any Time Period
- On site backup of data saved as CSV file to USB drive included with the system
- Calibration and Service provided in the UK at TSI's High Wycombe Head Office
- Supplied in co-operation with TSI, the world leader in particle measurements



## **LIVE TO WEB WEATHER MONITORING USING THE LUFFT WS 600**

- WS 600 all-in-one weather station manufactured in Germany by Lufft
- Precipitation Rate and Type measured by Doppler Radar
- Windspeed and direction measured using ultrasonic sensors
- Automatic self-orientation using in-built electronic compass
- Temperature
- Pressure
- Relative Humidity
- Supplied as an accessory item to LiveLeq or LivePM10 system, reducing subscription costs



# NOISE, VIBRATION, DUST AND WEATHER ON A SINGLE WEB PLATFORM

- Google Maps Based Site View - see whether Noise, Vibration, Dust and Weather Monitors are operating and whether limits are being exceeded (or in danger of being exceeded)
- Home Page - See all your LivEnviro Monitors from all of your projects on a single web page
- Up to 24 Time Periods day each with different user-defined limits. Time Periods can be set up for each day of the week.
- E-mail Alerts sent to an unlimited number of user definable e-mail addresses
- Live Data Direct to a Secure Website via 3G, 4G (with progressive fall-back to Edge, GPRS/GSM) or LAN
- User customisable logo can be uploaded to provide a more integrated solution
- Historic Data also stored on Secure Website and available for viewing (in zoomable graph and tabular formats) and downloading
- Live and Historic Data can be downloaded as a CSV file and opened directly into Excel
- User-Friendly Web Interface
- User Friendly and Certified Noise, Vibration, Dust and Weather Instrumentation
- Competitive Hardware Purchase Costs
- Realistic Subscription which Decreases with the Number of Units and includes SIM Costs\*
- Notes are automatically time-stamped when added for each LivEnviro monitor

## LOGICAL ARCHITECTURE

- Projects - Can contain one or many sites
  - Sites - One or many measurement positions
    - Measurement Position combines:
      - Monitor: LiveLeq, LivePPV, LivePM10 etc
      - Associated with Specific Physical Position
      - Limits and Alerts
      - Current Data
      - Historic Data



## FLEXIBLE USER HIERARCHY

- Managers - Configure Monitors, Limits and Alerts for Measurement Positions on their LivEnviro Account. Control User Accounts and access. Ability to add Notes and Comments for each Measurement Position
- Viewer+ - View Current and Historic Data, Comments and can receive Alerts as specified by Managers
- Viewers - Limited to current data only. Can receive Alerts as specified by managers. Option to restrict to Primary Limit View



## ROBUST DATA SECURITY

- Current and Historic Data on Dedicated Raid 10 Server in a UK Data Centre with Overnight Backups
- Mirrored back-up with multiple server configuration to provide stable and secure platform
- Monitors retain a local copy of the data

\* Includes 2GB Data Allowance which is comfortably more than sufficient under normal circumstances

