**Environmental noise monitors**

**Invictus environmental noise monitor**

***Description:***

The Invictus is a range of next generation environmental noise measurement instruments from Cirrus Research.  
The Invictus is available as either a portable noise monitor that is ideal for short and medium-term measurements, or an installed system designed for long-term measurements. The advanced features of the Invictus are available on all versions, allowing any noise monitoring application to be covered.  
Using the very latest technology, the Invictus is simple to set up and deploy whilst providing a full and comprehensive range of noise measurement parameters.

**Specification:**

## *Applications for the Invictus Noise Monitor*

* Construction & Demolition Projects
* Wind Farm Noise Measurements
* Noise Impact Assessments
* Planning Applications
* Traffic & Transport Noise
* Mining & Quarrying
* Airport Noise Management & Monitoring
* General Aircraft Noise
* Power Generation
* Motor Racing Circuits & Motorsport Noise Monitoring
* Product Development & Testing
* Firing Ranges
* Noise Compliance Monitoring

## *Key Features of the Invictus Noise Monitor*

* Colour touch screen interface simplifies set up and deployment
* Simultaneous measurement of all parameters
* Noise event detection with in-measurement audio recording, SMS, Email & Twitter alerts
* Live audio playback via the Noise-Hub2 software
* IEC 61672-1:2013 Class 1 performance
* 120dB measurement range in a single span
* Full weather protection with dual-skinned windshield
* 32GB data storage as standard
* External calibration with microphone performance verification
* Optional 1:3 Octave Bands from 6.3Hz to 20kHz with Tonal Noise Detection
* GPS location information stored with each measurement
* 3G, GPRS, Wi-Fi & Ethernet (LAN) communications
* Option of weather measurements integrated with noise data
* Noise-Hub2 software for PC, Server & Web
* Optional output stream for integration with video recording systems
* External power input for long term operation