

NOVEMBER 2006

Noise News

Welcome

Once again the last few months have been a busy period for Cirrus Research plc. The new products featured in the previous edition are now in full production and many units have been shipped to customers and distributors.

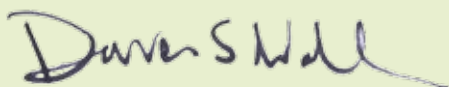
In this latest edition of *Noise News* we are announcing another new sound level meter, which is application specific. The instrument, the CR:261S, has been designed to fully comply with the requirements of ISO 5130:1982 and future revisions in a simple-to-use package.

The CR:261S was submitted to the PTB (Germany) for formal approval to IEC:61672 Class 1 and we are pleased to announce that approval was granted in October. This means Cirrus Research are one of the first manufacturers to receive formal Pattern Approval to the new sound level meter standard, something we are quite proud of.

We've also made some improvements behind the scenes to improve our performance. Our internal database has been modernised meaning you, the customer, are now kept fully informed, via email, of the status of new orders including recalibration orders.

Those of you who've recently placed orders with us will have no doubt seen a marked improvement in our levels of communication. Also, by the end of 2006, we will have a new improved Internet web site up and running which again will be in various languages.

All our recent new products are being showcased at various international exhibitions over the coming months – perhaps we'll have the opportunity to demonstrate them to you.



Daren Wallis
Managing Director
Cirrus Research plc

Welcome

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Crowd Noise

Measuring the noise at Football Stadiums

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Crowd Noise

Measuring noise at Football Stadiums



The search has been on for the loudest and most passionate supporters in the Coca-Cola Football League, with the launch of the "Real Football Roar" award.

The Coca-Cola Football League Championship is the 4th most watched league in the World.

The "Real Football Roar" award will see the Football League measure the noise levels at every Coca-Cola Football League match played during the opening two weekends of the season using Sound Level Meters provided by Cirrus Research plc – with the club whose supporters generate the most noise, as the teams emerge from the tunnel, winning the honour of being named the loudest fans in the Coca-Cola Football League.

Cirrus Research plc provided the Football League with 36 Sound Level Meters which were used to take the measurements at each of the 72 Clubs over the first two weekends of the season by an independent person.

John Nagle, Head of Communications at The Football League comments: "We are extremely grateful to Cirrus for their help and support with our Real Football Roar initiative. The sound meters they are kindly providing for us will help to determine which fans will be the loudest in The Football League."

Final Score!

Despite having the smallest supporter base in the Coca-Cola Championship, Colchester United have triumphed in the 'Real Football Roar' award with the highest recorded crowd noise of over 120dB!

New Products



CR:261S Vehicle Noise Sound Level Meter

The CR:261S is a new Sound Level Meter that has been designed for the measurement of noise from Motor Vehicles.

The instrument was initially designed to meet a tender for Sound Level Meters in Germany, and the CR:261S is now being introduced as a standard product. The main features of the CR:261S are:

- The ideal instrument for motor vehicle noise testing to ISO 5130:1982
- IEC 61672:2002-1 with PTB Type Approval to Class 1
- Simple & Quick Operation with 3 buttons
- Automatic Calibration
- Optional Remote control for measurement and display of three measured levels
- Over 300 instruments ordered so far...

PTB Approval to IEC 61672:2002

The CR:261S is the first Cirrus Sound Level Meter to be granted Type Approval to IEC 61672-1:2002 to Class 1, and this has been carried out by the PTB in Germany.



The latest standard for Sound Level Meters is IEC 61672:2002 and Type Approval to this standard requires very rigorous testing of the instrument.

Vehicle Noise Measurements to ISO 5130

The ISO 5130 standard for Motor Vehicle Noise Testing requires three consecutive measurements to ensure repeatability.

Once three valid measurements have been made, the highest is taken and used as the valid result.

The CR:261S displays the maximum Sound Level for the measurements taken. The unit can be operated from the keypad or by the optional Remote Control.

The last three measurements are displayed on the screen allowing the user to safely operate or monitor the vehicle under test whilst making the noise measurements.



With the remote control unit MO:261S, the noise tests can be done quickly and comfortably by one person alone - with a single button.

The CR:261S can be supplied with a range of accessories and optional extras that allow the instrument to be used in a range of different applications.

Over 300 units on order...

The Cirrus Research plc office in Dresden, Germany has already taken over 300 orders for the CR:261S Sound Level Meter. The CR:261S instrument will be used for measurements according to §29 StVZO. Delivery of these units started at the end of October 2006.

Applications for the CR:261S

The main application for the CR:261S is to measure the noise of vehicles according to the ISO 5130 standard.

The instrument measures the maximum Sound Level with Fast Time Weighting and dB(A) Frequency Weighting (L_{AFmax}) which allows the instrument to be used for any noise measurement application where this is the required parameter.

Cirrus has a long history of supplying Sound Level Meters and Noise Measurement instruments to the Motorsport industry and the CR:261S can also be used in this field.



Product News

A New Airport Noise Monitoring System



Cirrus has recently delivered and installed a new Airport Noise Monitoring System to a UK International Airport, located in South East England.

This system consists of a CR:243/4 "Noise Pole" Permanent Noise Monitoring Terminal along with a CR:245/3 Portable Noise Monitor connected to the RASP2 software program.

The CR:245/3 Portable Noise Monitor is fitted with a GSM Cellular Modem to allow data to be downloaded remotely. The fixed CR:243/4 "Noise Pole" is connected via a standard telephone line and modem to the software.



Noise Monitoring for Motor Racing Circuits

Cirrus Research plc has a proven history of supplying noise measurement systems for Motor Racing Circuits around the UK and Europe. These systems are used for the monitoring of noise of vehicles on the track, as well as for environmental noise control.

These systems have used a range of different instruments including the CR:243/1 Permanent Noise Monitor and CR:245/3 Portable Noise Monitors.

Customers for this systems include Donington Park, Silverstone, Bruntingthorpe Proving Ground and Bedford Autodrome. For more information please contact James Tingay at Cirrus Research plc.

Software Updates

Deaf Defier3.2

The Deaf Defier3 software has been updated to version 3.2 with a number of new features added. The main update is the use of a new database format which makes the software fully compatible with Microsoft Windows XP SP2 Limited User Accounts.

The program also has full support for the new EU Physical Agents (Noise) Directive, which is now the 2005 Control of Noise at Work Regulations in the UK. The Hearing Defender selector now includes Colour coding of assumed levels, a +4dB "Real World" value can be added to the assumed levels and there is enhanced filtering of data.

Also added to the software is the Periodic L_{eq} Report. This allows a number of sequential measurements to be concatenated into a single L_{eq} file which can then be used to calculate period L_{eq} values over three user defined periods.

dBLink3 for the doseBadge

The dBLink3 software has been updated with some minor amendments and additions to support the new features provided by the CR:110A doseBadge and RC:110A Reader Unit.

doseBadge Database

A new version of the doseBadge Database is under development and more details will be released shortly.

The latest versions of these software programs can be downloaded from the Cirrus Research plc website at www.cirrusresearch.co.uk/updates.html

Distributor News



KAD Detection System Distributor for Scotland

KAD Detection Systems Ltd was founded in 1988 by Ken Dougall, originally to supply, install and commission fire and gas detection systems to the marine industry.

After a couple of years the range of products expanded into occupational health monitoring equipment. This would include personal air quality sampling, portable gas detection, vibration and of course noise measurement.

Three years ago the partnership with Cirrus was formed and from then noise measurement equipment has been one of the core products.

In March 2005 Ian Wiltshire joined the company as Technical Sales Engineer. Ian had a background originally in gas detection sales but with contacts in the oil and gas industry this paved the way for the introduction of the ATEX approved doseBadge to those industries.



At this time most of the major oil and drilling companies have started to introduce the doseBadge onto their platforms, with the eventual hope that the doseBadge will be the offshore standard for noise dosimetry.