

Monitor - ISSN 1472-0221

The Newsletter for PC-Based Data Acquisition and Control
Issue 197, December 2014

Welcome to Monitor. I hope you have a very happy and prosperous new year.

If you wish to download our free data acquisition software please do so from <http://www.windmill.co.uk/jsarrpsrr.htm>. Should you wish to remove yourself from our mailing list, go to

http://www.windmillsoft.com/dagshop/Monitor_Newsletter.html

You can download Monitor as a pdf file from

<http://www.windmill.co.uk/monitor/monitor197.pdf>

Any questions, comments or application stories, get in touch via [email](#), [Twitter](#) or [Google+](#).



Contents

- * [Can I use Windmill to get data from Weather Stations into a SQL database?](#)
- * [Excel Corner - Speeding up Excel](#)
- * [Data Acquisition Exhibitions](#)
- * [DAQ News Round-up](#)

Questions on Using Windmill

Question

Hello, I need your cooperation to know if it is possible to obtain a trial version of Enhanced Windmill software.

This is because I am working on a project to integrate the information from three meteorological stations (Airmar Technology) and I need to know if Logger allows me to export the data to be integrated into a SQL Server database.



Answer

Monitor newsletter subscribers can download a trial copy of Logger, and the other standard Windmill programs, from

<http://www.jsarrpsrr.htm/>. Logger files can be imported into SQL databases. The data files are plain text files with columns of data. The columns are separated by tabs (tsv), commas (csv) or spaces.

Enhanced Windmill is a bundle of all our most popular data acquisition and control programs. It contains the standard Windmill logging, charting, digital and analogue control programs (which are also included in the free trial). Additionally, [Enhanced Windmill](#) includes all our hardware drivers, the Graphics process mimic generator, programming tools, alarm logging and other applications (for just £295). If the standard Windmill works with your equipment then Enhanced Windmill will also do so.

Windmill will collect readings from any weather station sending data in NMEA 0183 format, including those from Airmar Technology.

Further Reading

Enhanced Windmill at just £295: <http://www.windmillsoft.com/daqshop/>
Windmill Logger: <http://www.windmill.co.uk/logger.html>
Reading NMEA Data: <http://www.windmill.co.uk/nmea.html>
Using Windmill Software to interface an NMEA Device:
http://www.windmill.co.uk/driver_nmea.html

Excel Corner: Time Saving Tips

Want a quick way to select all your data? Just click in any data cell in Excel then press Ctrl Shift * all at the same time. All your contiguous data, and headings, will be selected!



To select just one row of data, select the first cell in the row then press Ctrl and the Left Arrow key. Similarly, to select a column of data, select the first cell in the column then press Ctrl and the Down Arrow key.

Read more Excel tips at <http://www.windmill.co.uk/excel/excel-tips.html>

Data Acquisition Exhibitions and Conferences

The quarterly update of data acquisition and control exhibitions around the world.

Nepcon Japan

14-16 January 2015

Tokyo

Asia's largest exhibition for electronic design, R&D and manufacturing.

<http://www.nepconjapan.jp/en/>

Electrotest Japan

14-16 January 2015

Tokyo

Test, inspection, measurement and analysis for electronics manufacturing and R&D.

<http://www.electrotest.jp/en/>

Industry Automation & Control

28-31 January 2015

Mumbai India

Brings together the leading players from industrial and process automation, instrumentation and industrial electronics sectors.

<http://www.chemtech-online.com/events/automation/>

Southern Manufacturing & Electronics Exhibition

10-12 February 2015

Farnborough UK

Trade exhibition devoted to engineering and manufacturing.

<http://www.exhibitions.co.uk/event/>

Malaysia Technology Expo

12-14 February 2015

Kuala Lumpur

International invention and innovation expo.

<http://www.mte.org.my/>

Date 2015

9-13 March 2015

Grenoble France

Design, Automation and Test in Europe. Event for electronic system design and test.

<http://www.date-conference.com/>

Automation World

18-20 March 2015

Seoul South Korea

Exhibition on the factory automation industry.

<http://automationworld.biz/>

Eurolab

18-20 March 2015

Warsaw Poland

International trade fair of analytical, measurement and control technology.

<http://www.targieurolab.pl/>

Arablabb

23-26 March 2015

Dubai

Trade show for the global laboratory and instrumentation industry.

<http://www.targieurolab.pl/>

DAQ News Round-up

Welcome to our round-up of the data acquisition and control news. If you would like to receive more timely DAQ news updates then follow us on [Twitter](#) - @DataAcquisition or [Google+](#) - <https://plus.google.com/107072683025496630222/>

Insects can be used as measuring devices

A robot capable of scanning a tray of insect specimens in a few minutes will help make the virtual images and tagging information available to the public online. When climate changes, insects have the ability to adapt more quickly than vertebrates. Insects can be used as measuring devices for landscape changes on a local and regional scale.

Source: Newswire

<http://www.newswire.com/>

Bluetooth Smart even smarter with 4.2 update

The new Bluetooth adopted specification is set to improve privacy and increase speed, further establishing the technology as the wireless standard for the Internet of Things.

Source: Engineering and Technology Magazine

<http://eandt.theiet.org/>

Need for Factory-Floor Information Drives Proximity Sensor Market

Arc Advisory Group report that the automotive, machinery and food and beverage industries account for over 60 percent of the total worldwide proximity sensor market and that these industries will continue to exhibit above-average market growth.

Source: Arc Advisory Group

<http://www.arcweb.com/press-center/Lists/Posts/Post.aspx?ID=461>

How Google Translates Pictures Into Words Using Vector Space Mathematics

Google engineers have trained a machine learning algorithm to write picture captions using the same techniques it developed for language translation.

Source: Technology Review

<http://www.technologyreview.com/>

Building Automation and Controls Market worth \$55.48 Billion by 2020

According to a new report the total building automation and controls market is expected to grow at 9.04% from 2014 to 2020.

Source: Markets and Markets

<http://www.marketsandmarkets.com/>

Breakthrough in Solar Plant Efficiency

Solar power researchers have achieved world-beating levels of efficiency, potentially making large solar plants more competitive with other energy sources such as coal.

Source: The Sydney Morning Herald

<http://www.smh.com.au/>

* Copyright Windmill Software Ltd

* Reprinting permitted with this notice included

* For more articles see <http://www.windmill.co.uk/>

We are happy for you to copy and distribute this newsletter, and use extracts from it on your own web site or other publication, providing the above notice

is included and a link back to our website is in place.

For previous issues by subject see

<http://www.windmill.co.uk/monitorindex.html>

FREE DATA ACQUISITION SOFTWARE

As a thank you for subscribing we offer you the ComDebug data logging and Com port trouble-shooting software for free. Log data over RS232, RS422, RS485 or Modbus. Also included is a free month's trial of the Windmill 7 logging, charting and control programs. To download go to

<http://www.windmill.co.uk/jsarpsrr.htm>

SUBSCRIBING OR CANCELLING SUBSCRIPTION Visit

<http://www.windmill.co.uk/newsletter.html> and add or remove your e-mail address.

Windmill Software Ltd, PO Box 58, North District Office,

Manchester, M8 8QR, UK

Telephone: +44 (0)161 833 2782

Facsimile: +44 (0)161 833 2190

E-mail: monitor@windmillsoft.com

<http://www.windmill.co.uk/>

<http://www.windmillsoft.com/>

[Google+](#)