

## Monitor - ISSN 1472-0221

The Newsletter for Data Acquisition and Control  
Issue 299 March 2024

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You can download Monitor as a pdf file from  
<https://www.windmill.co.uk/monitor/monitor299.pdf>.



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### Linearisation

Linearisation is needed when the signals produced by a sensor don't have a straight-line relationship with the physical measurement. For example when using [thermocouples to measure temperature](#).

Linearisation is sometimes achieved using signal conditioning in the hardware itself. Windmill data acquisition software, though, has built-in linearisation for B, E, J, K, N, R, S and T type thermocouples so no prior signal conditioning is needed. It will present and save readings in the temperature units of your choice, °C or °F for instance.

For more information on signal conditioning and linearisation see  
<https://www.windmill.co.uk/signal-conditioning.html>.

### Your DAQ Questions Answered

#### Question

*"We have used your windmill software for many years and are now trying to set-up another system. We have the software on the new machine, but I need a new license for it. How do I go about purchasing that? I keep getting an error when I try to do it on your website."*

#### Answer

The good news is that your new software is now free. Just send your license request key to [sales@windmill.co.uk](mailto:sales@windmill.co.uk) and we will send you a new license code.

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- \* For more articles see <https://www.windmill.co.uk/>

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