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Working conditions HVAC

How do you convince your boss that the air conditioner doesn't work?

Welcome to 2014! This week has seen some hot, hot weather around the country, with recent temperatures at our HQ reaching 45C reported by our [Davis Vantage Vue Weather Station](#).

In this type of heat it is important to watch the working conditions in the workplace by monitoring the temperature but many regulations also state the need to measure heat stress using a [heat stress meter](#). Call our scientists on 1300 737 871 for the best option to suit your requirements.

In our case study below we look at the best way to [resolve complaints about air conditioning](#) in the workplace.

At Instrument Choice we are always adding new test, measurement and data loggers to the website so we will keep you regularly informed of the new bits and pieces that are now in our catalogue.

In the coming year we will be continuing our experiments, please send through any ideas you have for experiments we can run. Is there something you would like to know?

Please remember if you have any questions regarding tests you need to conduct or specific instrumentation please give us a call on 1300 737 871.

Until next month...
Tyson Grubb

Product of the month: [Instant Soil Moisture Reading Kit](#)



The MPKit-ICT has set the standard in soil moisture testing and is an ideal all round soil moisture water content device. Unlike other portable instruments, the sensor is not affected by temperature.

For more information click [here](#).

Weather experiment - Hot air rises

At Instrument Choice we are always interested in the weather, here is an experiment done by the Met Office in the UK which explains well why hot air rises. Enjoy!



Case Study - Resolving complaints about the air conditioning in your workplace.

The Problem: Some of the staff in the office complain that the temperature is too hot, other staff complain that the temperature is too cold, while others maintain that the temperature is fine and the thermostat doesn't need to be adjusted. So how do you resolve complaints about the air conditioning?

The Solution: The best way to monitor air temperature over time is to use a temperature data logger. A temperature data logger (or simply a temperature logger) is basically a thermometer with some memory. They are initially setup on a computer, and once they are setup they can be left in an area for a period of time. After this, they can be connected to a computer to download the stored data. This will give you time and date stamped temperature readings which you can create graphs from and get tabulated data which you can export to Excel. One popular option is the LogTag temperature loggers. These loggers can store 8,000 readings at a time and are very easy to use and setup. The LogTags are also quite cost effective and you can run as many loggers as you need using the one download kit, the LTKIT.

The LogTags are only compatible with PCs, so for mac users, the UX100-001 is a good option. The UX100-001s are able to store up to 84,650 measurements and also have an LCD display which can be useful if you want to see what the conditions are like during the day. To run these loggers you need to use the HOBOWare-PRO software.

If you need any assistance with selecting a temperature logger to best suit your requirements or if you wish to know further details about how these loggers would work in your conditions please feel free to contact one of our friendly Scientists via [email](#) or phone on 1300 737 871.

New hot products on our website:

Acclima DataSnap



The Acclima DataSnap is the simplest standalone SDI-12 universal data logger available on the market today.

The DataSnap is first and foremost an SDI-12 data logger accommodating up

to 10 SDI-12 sensors. The DataSnap is compatible with all sensors that communicate using the SDI-12 protocol.



CEL-120/01

Calibration is an important feature for any sound level meter and the CEL-120/1 single level device is available to confirm the correct operation of your meter.

Free Express
Post in
Australia.



Items marked bulky
have free standard post.



Recycle your
unwanted test
equipment
for free!

[Click here to
find out how!](#)





IC-AVS

The IC-AVS system is a complete system designed to perform autoclave validations. The system includes two HiTemp140 temperature loggers, one PR140 pressure logger, and an IFC400 interface package and standard software.



CEL-NOISE Kit

The CEL-NOISEH&S/K6 Kit is equipped with everything necessary for serious noise monitoring. The CEL-620B2 handheld sound level meter for the measurement of noise exposure as well as the

CEL-350, a personally worn rechargeable noise monitor, used to measure the noise exposure of an individual over the working day are included.



PosiTector 600

The PosiTector 600 Coating Thickness Gages is suitable for ALL Metal Substrates. Rugged, fully electronic coating thickness gauges uses magnetic and eddy current principles to measure coating thickness on both ferrous

and non-ferrous metals, accurately and quickly.



PosiTest DFT

The PosiTest DFT Coating Thickness Gage measures coatings on all metals. It is the economical choice that retains the uncompromising quality of DeFelsko coating thickness and inspection instruments.



MPKit-ICT

The MPKit-ICT has set the standard in soil moisture testing and is an ideal all round soil moisture water content device. Unlike other portable instruments, the sensor is not affected by temperature which other portable sensors are susceptible to. The sensors are manufactured from stainless steel and are embedded in an epoxy body, so it is very durable and will last for years.

The MPKit-ICT has been used in a range of applications including the measurement of high thermal resistivity sand, testing sand in stockpiles, irrigation management, and for determining moisture content in quarry materials.

Thank you

from everyone at Instrument Choice - stay tuned for next months issue.



Contact us.

Our experts are happy to help and discuss your project. Call 1300 737 871 or write an email to customer-service@instrumentchoice.com.au



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