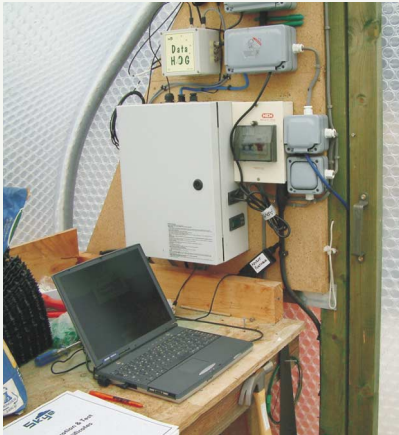


# Automatic Irrigation in a Commercial Nursery



A radical new plant production system in Scotland is proving to be one of the latest projects to benefit from Skye's DataHog2 Datalogger coupled with our Mini-Tensiometers.

Tony Barnett of BAR Systems was contacted by The Caledonian Tree Company, UK and asked to design, develop and install a fully automatic irrigation system which could be monitored and controlled by soil moisture levels. Strict irrigation management was essential on this project, as precise control over soil moisture parameters had to be maintained, in order for The Caledonian Tree Company to monitor and record the results of their plant production system for all of their different species in their various stages of

growth.

"Once the irrigation system was installed and the watering parameters were known, it was a straight forward job of adjusting the switch points of the DataHog2 and integrating this into the irrigation system via a bespoke control panel" commented Tony Barnett.

With their flexible output parameters and switching arrangements, the relay configurations of the DataHog2 require little more than tailoring to suit individual applications.

"The system has been in operation since June 2003 and has proven to be most reliable" commented Jamie Single, Director of The Caledonian Tree Company.

Data is collected, viewed and adjustments are made via an RS232 connection.

"I think the key factor in the success of this system is its simplicity, with Skye's reliable units coupled together with "off the shelf" components used for irrigating and control actions, there is very little to go wrong" added Tony Barnett of BAR Systems.



*Thanks to Tony Barnett for this application*

## The Equipment

The DataHog2 datalogger is a multichannel versatile logger that is easy-to-use and can be used with a variety of sensors - either from Skye or other manufacturers.

Skye manufacture a range of sensors for measuring soil moisture and BAR Systems are using our mini electronic tensiometers, which are ideal for pots and containers.

*Further details can be found on our website at [www.skyeinstruments.com](http://www.skyeinstruments.com)*