

E-NEWS

HOOGENDOORN ENVIRO

Now available – the ENVIRO, our brand-new climate control unit! This compact system is not just easy-to-operate and packed with many of the features usually only found in larger systems, but also comes at a very competitive price. It is therefore ideal for poly tunnels, garden centres and for smaller to medium-sized glasshouse growers wishing to automate their site for the first time, or to simply improve existing controls.



Software modules available within the ENVIRO include Heating, Ventilation, Humidity Control, Air Circulation and Cooling, Screening, Lighting, Fogging, Irrigation, CO2, Boiler Control and an Alarm Program – all the features of a more sophisticated system in one compact unit. The ENVIRO's ability for simple programming of the I/Os available make it possible to control whatever you want, and within however many zones you need, giving it enormous flexibility.

End users can also choose one or more sensors, or even a complete Weather Station to complement their system, and to protect ventilation systems from high winds, rain and frost.

Meteoscope / ECONOMIC Econaut



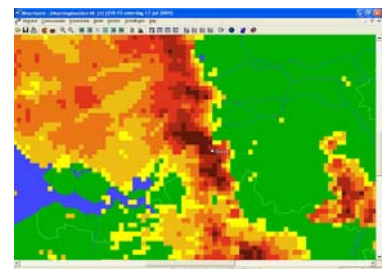
With energy prices ever increasing recently, many growers have been looking at ways of how to optimise their operations to use costly energy more efficiently and thus save them some money. ▴

Hoogendoorn may well be able to assist in these endeavours with a variety of options. Firstly, there's our Meteoscope software module, which will allow various process controls to be influenced based on localised historic and predicted weather forecasting. It not only provides you with your local weather forecast for up to 7 days in advance, but the Meteoscope can also influence almost all individual measurement and control programs, such as hot water boilers, heating systems, screening systems, and supplementary lighting - all this within six periods you can set for every 24 hours. It integrates the user's exact requirements and provides exactly the required climate environment with the most economic use of energy, whilst maximising your crop production and quality.



Another software option extending the Meteoscope feature even further is its use in conjunction with our Econaut software module, a system widely used in the Netherlands with excellent results. This will also enable you to control your glasshouse climate from a totally new and different perspective, that of the crop's needs and requirements.

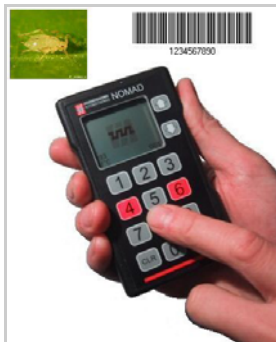
As described above, Meteoscope weather forecasting automatically generates a comprehensive localised seven-day forecast several times a day. With the plants' requirements and the weather information accurately calculated, Econaut can then determine the most efficient control strategy, implementing the most efficient use of energy and an ideal growing environment. The potential energy savings are estimated to be between 15 & 25%. Your crop quality and production will also benefit from a more stable controlled environment.



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NOMAD Barcode feature

Working with our wireless NOMAD input system has now become even easier, faster and less prone to errors, thanks to the incorporation of a barcode scanner into the NOMAD input key device.



Data is input via menus and barcode scanning. Working with barcode scanners is easy to learn and ensures that staff can rapidly start inputting data. Input errors are also kept to a minimum. And what could be easier than working with a barcode scanner? Simply hold the scanner against the code to input it. An acoustic signal indicates whether the input has been accepted.

The barcodes to be scanned can, for example, also be provided with photos or other visual aids. Every employee can therefore quickly visually identify items for input, and language and reading abilities no longer present any obstacles. When inputting pests and diseases for instance, staff simply take along a guide containing photos of a number of pests and diseases. They can then compare their findings with the photos and scan the relevant barcode – simple, quick and error-free.

ECONOMIC Version 10

It's that time of year again – time to introduce the latest version of our highly successful ECONOMIC software to control your growing climate to your exact requirements with a minimum of effort.



A large number of improvements have been incorporated in our latest version 10 release, the most important ones being:

- extended graphics program
- more flexible screen control and an improved "crop condensation" module
- facility to implement analogue vent and screen controls using so-called "Ridder Logic Link" motors
- extended valve supply and control features in the irrigation control
- now even easier to use and with extended password protection features
- improved reaction to outside wind speed
- better network synchronisation across all connected computers, and optimised remote control features.

We are able to deliver this new program to all our existing and new UK customers from 1st May 2006 onwards.

Variable Speed Drives (V-Drives)

Another device to assist you in becoming more energy-efficient is this unique (V-Drive) Variable Speed Drive device, providing a simple and economic method of controlling your nursery system pumps.

With the facility to be able run your pumps at any speed required by the installation, the V-Drive enables you to fine-tune your irrigation and circulation pumps to your exact requirements, unlike the current method of either the pump running at full speed or not at all. You can therefore now fully automate the way your pumps operate as conditions within the glasshouse or outside vary and change.

This unique equipment is therefore a must for any grower serious about reducing his utility bills and increasing efficiency.

