

# Ektron-II C



- Instant CO<sub>2</sub> measurements, mean no measuring delays
- CO<sub>2</sub> measurements remain accurate over long period of time
- Energy efficient
- Tried and tested in the field
- Low maintenance and user friendly
- High-quality housing
- Reliable CO<sub>2</sub> measurements without the drawbacks of conventional sensors



## Fast, Accurate and Reliable Measurements

In order to achieve the optimum glasshouse climate, you must be able to depend on accurate and reliable climate measurements. The Ektron sensor unit from HortiMaX accurately measures not only the temperature, but also the humidity and CO<sub>2</sub> concentration, allowing you to monitor the climate conditions in your glasshouse throughout the day. The Ektron comes in two models: the Ektron-II and the Ektron-II C. The Ektron II is equipped with a temperature and humidity sensor, whereas the Ektron-II C is additionally fitted with a CO<sub>2</sub> sensor.



# Ektron-II C

*The CO<sub>2</sub> concentration is measured by an electronic sensor, specially developed for HortiMaX. This allows the Ektron to provide accurate and stable measurements over a long period of time, which is a major advantage compared to conventional CO<sub>2</sub> sensors. Since the Ektron does not use measuring tubes, you can place the unit anywhere in the glasshouse and still receive instant readings. In addition, there is no risk of the reliability and continuity of the measurements being affected by faulty measuring tubes or a full condensation reservoir.*

### **Three-In-One Sensor Unit**

The Ektron-II C is a low-maintenance sensor unit which provides accurate and reliable measurements of the

- Air temperature
- Humidity
- CO<sub>2</sub> concentration

### **Direct CO<sub>2</sub> Measurements**

Since the Ektron measures the CO<sub>2</sub> concentration by sucking air directly into the unit, the CO<sub>2</sub> controller is sent accurate, up-to-the-moment measurement data. This eliminates problems caused by measuring delays, leaks and condensation in the measuring tubes, and ensures efficient CO<sub>2</sub> enrichment control!

### **Electronic Humidity Measurement**

Dry/wet bulb sensors require a high degree of maintenance to keep providing accurate humidity measurements. The Ektron, on the other hand, is equipped with a maintenance-free electronic humidity sensor, which means it does not rely on liquids or other substances. Years of use in the field prove it: the Ektron is fast, reliable and consistent under any conditions and requires little user intervention.

### **Energy Efficient**

The aim of every grower is to achieve the optimum glasshouse climate at the lowest possible energy costs. A study\* has revealed that accurate sensors can help reduce the amount of gas consumed by your business. By using the HortiMaX Butron to measure the outside humidity, for instance, you can cut your gas bill by up to 10%!

\* Study performed by HortiMaX and HAS Kennistransfer on behalf of NOVEM (February 2003)

The Ektron has been tested and approved by the Agricultural Technical & Facilities Services (TFDL) in the Netherlands.

### **More information?**

For more information, please contact HortiMaX directly (+31 (0)15 362 03 00) or one of our dealers near you. You can also visit our website at [www.hortimax.com](http://www.hortimax.com)