

Air Monitoring

Prevent harmful gasses in the greenhouse air

If the concentration of ethylene and NOx rises too high in the greenhouse air, the quality and production diminish. These harmful gasses derive from the flue gasses that are used to regulate the amount of CO₂ or from equipment with a combustion motor in or near the greenhouse.

Sercom together with EMS and CropEye developed the Air Monitoring system. It warns you promptly if the concentration of ethylene or NOx rises too high in the greenhouse so you can take the necessary measures, like stopping with CO₂-dosing and ventilating. This prevents losses of production and quality.



New dimension in control

Ethylene and NOx monitoring

Clean and healthy greenhouse air

No crop damage

Better quality

Higher production

GMO subsidy

The Air Monitoring system consists of the MAC View® Greenhouse Gas Analyser from EMS and a module on the climate-control computer from Sercom. The MAC View® Greenhouse Gas Analyser is an extremely sensitive measurement instrument to monitor five gasses, namely NO, NO₂, C₂H₄, CO and CO₂. By linking the MAC View® Greenhouse Gas Analyser to the Sercom climate-control computer, it is possible to adjust the window opening position automatically or to stop CO₂-dosing to compensate for an imminent overshooting of the limits. Your dealer will be able to inform you of the available options for your situation.

The MAC View® Greenhouse Gas Analyser falls under the GMO-subsidy scheme. Your financial advisor can tell you more about this.



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