More precision into every decision



*Only available for Europe, Russia, Australia and New-Zealand



Grodan' GroSens

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Based on years of lab research and trial tests Grodan developed tailor-made, specific data models that are optimised monitoring and precision growing are for each unique Grodan growing medium important factors in realising that. With the introduction of the Internet of Things, product. The result: increased accuracy advanced sensor technology and dataabove the industry standard, more control, driven decision-making, realising optimal and everything you need to know for your yield has already taken a huge step rootzone and irrigation management forward. From now on, you can take your approach. Wherever you are, 24 hours a data-driven growing to the next level: with day and 7 days a week. Allowing you to the redesigned GroSens suite, complete put even more precision into every with high-quality sensors for rootzone decision. management. Super accurate, precise, and wireless. And even better: you can rely on the same great quality and precision. Discover the new GroSens suite.

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Discover GroSens - Taking your crop growth to new heights

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Tailor-made measurements optimised per Grodan stone wool slab line

Meet the redesigned Grosens Suite

Data-driven growing is no longer a trend, but a must. The redesigned GroSens suite is the ultimate package to take your crop growth and rootzone management to the next level with the use of data. First of all, it provides more accuracy, a wireless connection and a very high degree of precision when combined with specific Grodan substrate data models. In addition, the redesigned suite also offers:





Benefits of the redesigned GroSens Suite



Extremely reliable with optimised data models for Grodan substrate products

GroSens is extremely accurate and provides, when combined with Grodan substrates, highly reliable and precise rootzone temperatures, WC and EC measurements. This results in better growing insights on a specific Grodan slab or block.



Improved design and performance The new sensors have an improved and waterproof product design.

Thanks to their distinctive blue colour, spotting them is easier. The sensor is more compact and designed to easily measure the Grodan product assortment range.



Seamless connection with e-Gro The new GroSens sensor can seamlessly connect to e-Gro.

optimise your growth strategy.

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Plug and play installation

Installation that is both easy as well as time saving thanks to our new and improved e-Gro app with Bluetooth (BLE) connection.

This immediately provides valuable insights that support you to

Get the most out of your data

When connecting the new GroSens suite to e-Gro or your climate computer, you immediately benefit from valuable insights that support you to optimise your growth strategy. Depending on your needs there are different options available to get the most out of your data with your GroSens sensor suite:

e-Gro Companion

e-Gro Essential

When choose e-Gro Companion?

You want access to basic information from the sensors via a mobile application and read out the EC, WC and Rootzone Temperatures. This app is included in the GroSens suite.

When choose e-Gro Essential? You want access to relevant greenhouse information which is essential to improve your cultivation strategy. You want to get more out of data and have insights into yield forecasts, irrigation advice and crop monitoring.

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Connection to your climate computer

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When choose this option? You want to view your GroSens data in your climate computer.



The power of GroSens specific data models

It is challenging to translate raw data from sensor technology into comprehensible measurements. So, creating a data model that makes this translation precisive is not easy. Since Grodan offers a unique range in substrates for various crops, we decided to improve data models optimised for specific Grodan products.

Therefore, Grodan has put a lot of years in lab research and trial tests into the development of the Grodan slab/block optimised models. We worked with experts and specialists to develop

Grodan GroSens



and fine-tune these tailor-made and specific data models, which are optimised for Grodan growing medium products.

The result is increased accuracy and more reliable information tied to specific Grodan growing medium products, accessible via your e-Gro account. Giving you more control and everything you need to know for your rootzone and irrigation management approach. Wherever you are, 24 hours a day and 7 days a week.



How to get started?

Depending on your needs, we offer multiple packages of our GroSens suite:

Grodan GroSens Grodan GroSens starter kit

Additional items handheld kit

- 3 Rootzone sensors
- 1 Bridge
- 1 Gateway

• e-Gro Companion

Optional: e-Gro Essential • 1 Rootzone sensor

Hardware: • e-Gro Companion

- Rootzone sensor • Climate sensor 1 Humidity
- Temperature • Climate sensor 2 Humidity
- Temperature and CO_2 • Bridge
- Gateway
- Convertor





Based on your feedback, a dedicated software and hardware product team works on continuous development and improvements of our products to take advantage of the latest technologies and opportunities, and provide greater insights.

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What else does **Grodan offer you?**

In addition to the product benefits, we offer you extensive support and service.

Optimal Support

For total peace of mind, our advisors are ready to answer your questions and solve technical issues by email and telephone.

Remote personal growing advice

Our advisors help you to get the maximum benefit from your hardware and software. How? Through personal advice based on our knowledge and expertise in substrate cultivation. As your partner, we combine our knowledge and experience with yours to drive superior results.

Continuous product improvements

Your data is safe

All data in the software is extremely secure and is stored and processed in accordance with all North American, European, and local laws and regulations.

GroSens system overview



Greenhouse

Office

Anywhere

Product specifications rootzone sensor

- Most reliable, representative WC, EC and rootzone temperature measurements due to measuring at 2 heights
- Slab-optimised data models
- WC measurements in the range between 0-100%
- EC measurements in the range between 0-10 mS/cm
- Temperature measurements in the range between 0 and 50 degrees Celsius

System requirements

- Available Internet
- Sensors must be placed within a 150-metre radius of the gateway.



and future proof.

Based on customer feedback, GroSens became the most trusted and best-performing sensor on the market. For years, the Grodan GroSens system has proven to be the most valued sensor in horticulture to support and optimise rootzone. Now we have taken that technology and managed to improve it, making it even more innovative

Passionate about Precision Growing - For more than 50 years

At Grodan, we're always looking for solutions that allow growers to grow better. Our aim is always to provide you with important growth parameters and data, so you can have maximum control and create the optimal growing conditions for root development in growing media. And we've been an expert on that for more than 50 years.

Now, with the new GroSens suite, we've reached a new milestone; providing a value-added solution that enables growers worldwide to improve their data-driven growing and take their growth strategy to new heights.

Start today

Are you ready for the future? Make sure your business is ready for tomorrow today. Put more precision into every decision with the new and redesigned Grodan GroSens suite. Contact your Grodan Account Manager for more information.



ROCKWOOL BV / Grodan

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The substrates from Grodan are the only stone wool growing media awarded an EU Ecolabel.



