

# Drainscale and Drainbox



## Drainscale

The drainscale is developed to determine the accurate weight of plants planted in, for example, a rockwool substrate.

The result of an accurate measuring of the weight will give you the right idea of the need of water in your crop during day and night. Depending on the weight of the substrate and plants, the computer can determine whether to give more or less water. Two loadcells take care of an accurate measurement, with a maximum capacity of 100 kilograms.

The scale can be connected to a climate-processing computer in order to combine the result found with other collected data and to send out the right signals to other equipment. The scale runs on a 220 Volts power supply and gives a standard outgoing signal of 0 – 10 Volts or 4 – 20 mA, suitable for most processing computers.

The drainscale is extendible and can be used in the range from  $\pm 2$  to  $\pm 3$  meters. De width is 30 cm and is suitable for most systems.

The drainscale is deliverable in three different types. Depending on the kind of crop we deliver a standing drainscale (e.g. for tomatoes and roses) or a hanging drainscale (e.g. for peppers).

For crops which are grown on a hanging gutter-system there is also a specific drainscale available. This drainscale has a smaller frame and needs to be placed on the hanging gutter-system. A second gutter intercepts the water that comes from the plant.

All drainscales will be delivered with a gutter, taylormade, depending on the size and number of the rockwool slabs.

## Drainbox

The drainscale can be extended with a drainbox. The drainbox is a compact unit for measuring the EC, the pH, the amount of drainwater and the temperature of the drainwater, coming out of the substrate. All sensors are built in a pvc box, which makes the measurement stable and reliable. By measuring directly at the plant, it is possible to respond quickly to the actual situation.

The drainbox will be connected directly to your computer. The measured data is both numerical and in grafics available. By this data it is possible to adjust the settings in your computer.

Together the drainscale and drainbox form a complete package, that provides full information of the water regulation of the plant and gives the possibility to anticipate on this, by measuring the weight of the rockwool, the weight of the plant and the volume of the drain.



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**Drainscale “hanging“ (peppers)**



**Drainscale “on the ground”  
(tomatoes and roses)**

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