Pyrgeo control

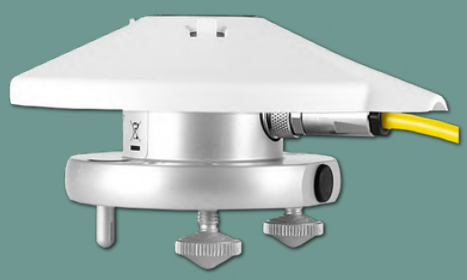
Available in the Sercom basis software

The pyrgeo meter can be used to measure the radiation towards the sky. The pyrgeo meter must be installed above the roof of the greenhouse. This measurement can be used to gain insight into the heat loss of the greenhouse. The radiation on a clear day is higher, therefore warmth loss is higher than on a cloudy day. The screens can (also) be controlled, based on the measured radiation, to avoid energy loss and the low temperature of the growth point at a higher level in the greenhouse.

The standard pyrgeo control is part of our basic software. This control can be linked to the energy control. With this, a radiation limit can be set for the energy screen with an AND/OR choice for various conditions. As a standard, the pyrgeo measurement is direct and in real-time. If the basis software is in use, the accelaration and decelaration speed of the pyrgeo measurement are fixed.

In brief:

- Subsidy discount
- Reduced radiation
- Less energy loss
- Switchable conditions
- Higher growth point temperature
- Combination of setting options possible
- Part of Sercom basic software



Subsidy possibilities

By purchasing the pyrgeo meter with the accompanying control software, you are eligible for EIA. With EIA, you can subtract 54,5% of the investment cost of energy saving assets from the tax profit. *Ask your financial advisor/accountant for the possibilities.*

Option Extended Pyrgeo control

With the extended pyrgeo control, the pyrgeo measurement can be used to influence several conditions, such as:

- The radiation limit
- Outside temperature
- Temperature differences between inside and outside
- Heating load

The above-mentioned conditions can also be variably combined by the AND/OR option.

If this option is purchased, you can work with a variable acceleration and deceleration speed of the pyrgeo measurement. To use this function, the dealer must change the configuration for the energy screen control. The measurements can therefore be averaged out to react calmer or more aggressively.

It is also possible to configure the energy screen to the absolute outside temperature. This is to avoid a too low temperature inside during periods of heavy frost. It is possible to take the wind speed into account in connection with heat released from the greenhouse.