



# CLIMATE SENSORS



## Correct measurement of actual plant conditions

### These sensors measure

- Room temperature (RT10)
- Light between 400-720 NMO (Quantum sensor Q20B)
- Solar radiation (SC21B)
- Pot temperature (PF5 (PF10))
- Flow temperature (E10)
- Light in lux (Photo cell LF2)

Sensors need to measure climate conditions following the same principles by which plants perceive the environment. For example, the light sensor Q20 measures the light in light quantum in exactly the same way that plants 'see' light. One consequence of this is that the screens open in the morning when the plants use the available light, and not based on our assumptions.

### Durability

Sensors must be durable. Climate is a considerable part of plant production, and the energy expenses are often dependent on the sensor reports about climate conditions.

Temperature sensors must therefore be of good quality. Correct climate conditions can influence greatly the speed and quality of pot plants and vegetables. This is why an expensive but durable and stable measuring sensor pays for itself in a very short time.

### Placing of the sensors

Correct placement of the sensors is also important. For example, the temperature sensor must not be placed above a heating pipe or by a gangway, and flow sensors are to be installed some distance away from the heat valve.

A well-adapted climate is a condition for prime quality plants. Good and accurate sensors are of great importance for integrating and optimal climate into the climate control.



## SPECIFICATIONS / CLIMATE SENSORS

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### **Service**

By inspecting your sensors at least twice a year by a service technician, you can avoid unexpected costs from, for example, incorrect readings from a temperature sensor that cause heat loss, reduced plant quality and varying climate conditions. The need for accurate measurement and easy serviceability shows yet again the importance of investing in a quality Senmatic sensor.

Please see also the product leaflets for Humidity sensor RTV and RTF.

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