

SENECT|ONE

Multifunctional Aquaculture Controller



Oxygen control. Feeding. Alarm.

- Control with ONE unit all important functions
- Easy installation - easy to use
- Scalable system: for small and large aquaculture farms



SENECT|ONE

Multifunctional Aquaculture Controller



Controlling oxygen supply with the SENECT|ONE saves costs.

In most cases there is no need to continuously aerate the water to achieve a good oxygen concentration level. The control unit SENECT|ONE measures the dissolve oxygen concentration with an low-maintenance and long-term stable optical oxygen sensor. Is the oxygen concentration too low, the aeration or oxygen supply is switched on. Is the should-be level achieved, the oxygen supply is automatically switched off.

This regulation mechanism saves oxygen or electricity and reduces therefore your expenses.

Automatic Feeding - controlled, intelligent and as often you like.

Exactly this is what the SENECT|ONE enables you also. With its universal output signal, most common fish feeders can be connected to and controlled by the SENECT|ONE. Settings can be easily done at the device itself, or you use your tablet or PC for more convenient operating.

The SENECT|ONE convinces as a feeder control unit by its clever functions like a stop of the feeding, if the oxygen concentration is too low. This avoids unnecessary waste of feed as well as degradation of the water quality which may cause a threat to your fish.

Alarm also on your smartphone – A better protection for your fish.

In case of unfavourable conditions, e.g. if an aeration system fails, the SENECT|ONE measures the oxygen concentration and warns you via your smartphone. Hence, you can react in time to avoid damages.

Always informed - via remote access, you can always check your water quality by visualizing current measurement values.



The installation – easy and cost-effective.



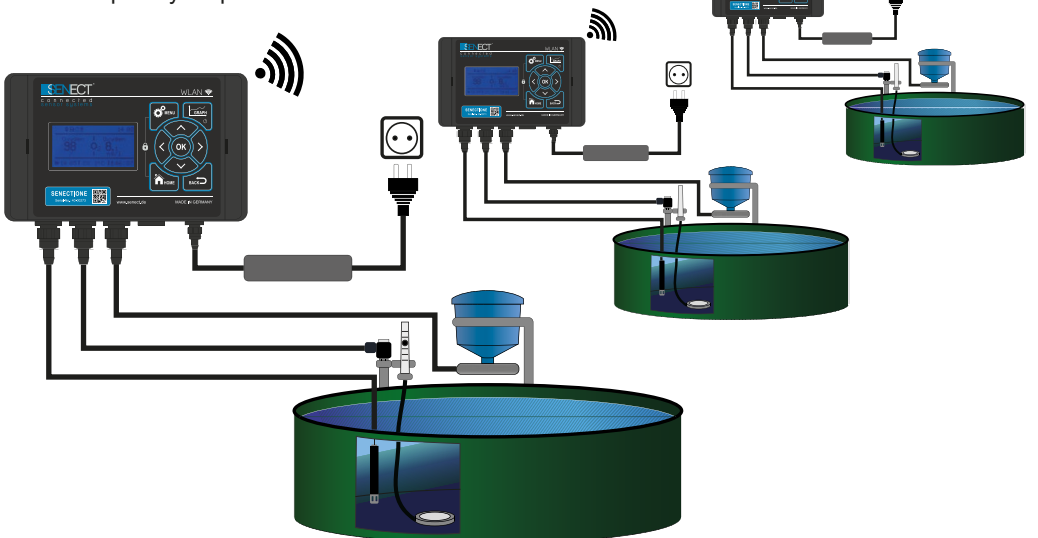
If you want to install the SENECT|ONE System in your facility, you need only a power supply and an oxygen pipe connection at every tank. The data is transmitted wirelessly to a router - and from there to your smartphone or PC. In case of large distances, WLAN repeater can be used to expand the network.

With this system of well-established and user-friendly components, you additionally save the costs of data cables and their installation. Additionally, you prevent an often underestimated source of error, especially in outdoor cultivation units.

For small and large farms – The SENECT System.

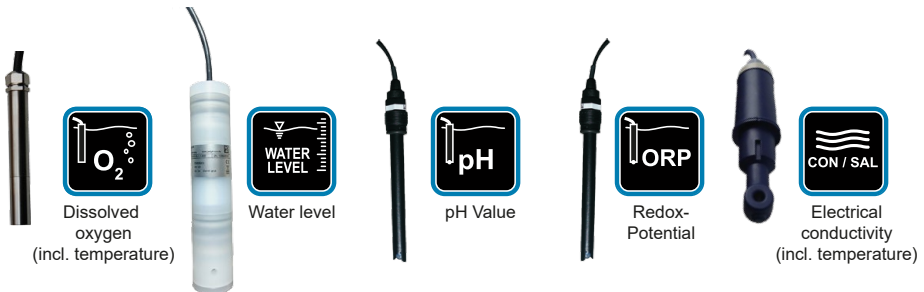
The SENECT System is developed for both - small farms and large aquaculture systems. Due to the wireless data connection of every unit, the entire system can be visualized and controlled over one tablet or PC - everything at a glance.

And you can always extend your system, for example if you want to expand your production.



Versatile possibilities with the SENECT|ONE

The SENECT|ONE allows you to use other sensors instead of the oxygen sensor to realize different functions and regulations. The following sensors are available:



With these sensors many functions like for example:

- refilling of water,
- monitoring and controlling pumps,
- regulation of the salinity or
- control of the ozonation

can be easily, cost-effective and reliably realized with the SENECT|ONE.

SENECT ONE	Art.-Nr.: ONE-A1-13-(A)
Dimensions:	191 x 130 x 60 mm
Power input:	100-250 V AC / 50/60 Hz (24 V DC optional)
Electrical power:	max. 60 W
Sensor-Input:	compatible to all Senect Sensors
Output:	3 x 24 V DC
Output signals:	0-24 V DC PWM, 0-10 V, 4-20 mA
Ingress Protection:	IP67 - protected against short periods of immersion in water
Available configurations:	rechargeable battery - protection agains power black out
Data transmission:	2,45 GHz WLAN