MONITOR|4
Water quality data logger

SENECT
connected sensor systems

Monitoring water quality - Sending alarms

- For up to four sensors
- Data logging and wireless transmission directly to your PC, tablet or smartphone
- Alarm messages when measured values exceed setted tresholds

O_2 pH   ORP   CON / SAL   °C   WATER LEVEL   WLAN

MONITOR|4
Water quality data logger

Water quality surveillance with the SENECT MONITOR|4

With the controller MONITOR|4 you can monitor the water quality online with measurements of up to four arbitrary and free combinable SENECT sensors. Measured parameters are logged and can be visualized diretly at the device. Additionally, the embedded WLAN module allows the connection to an existing network for monitoing the parameters remotely, for data transmission and alarming.

Application examples:

- Monitoring of dissolved oxygen, pH-value, water level and temperature at the inlet water of flow-through aquaculture farms

- Measurement and documentation of dissolved oxygen, temperature, pH and conductivity in scientific experiments or in waste water applications

- Surveillance of the dissolved oxygen concentration in four tanks of a recirculating aquaculture system

Alarm via your smartphone

In critical situations when a parameter undershoot or exceed its treshold, the MONITOR|4 sends you an push-alarm message and / or email on your smartphone - so that you can react immediately!

Informed whereever you may roam: With the remote access function, you can always check the current measured values. For a better overview, the logged data can be visualized graphically on your smartphone. This makes it easy to check the parameters.

For small and large scale applications – the SENECT System.

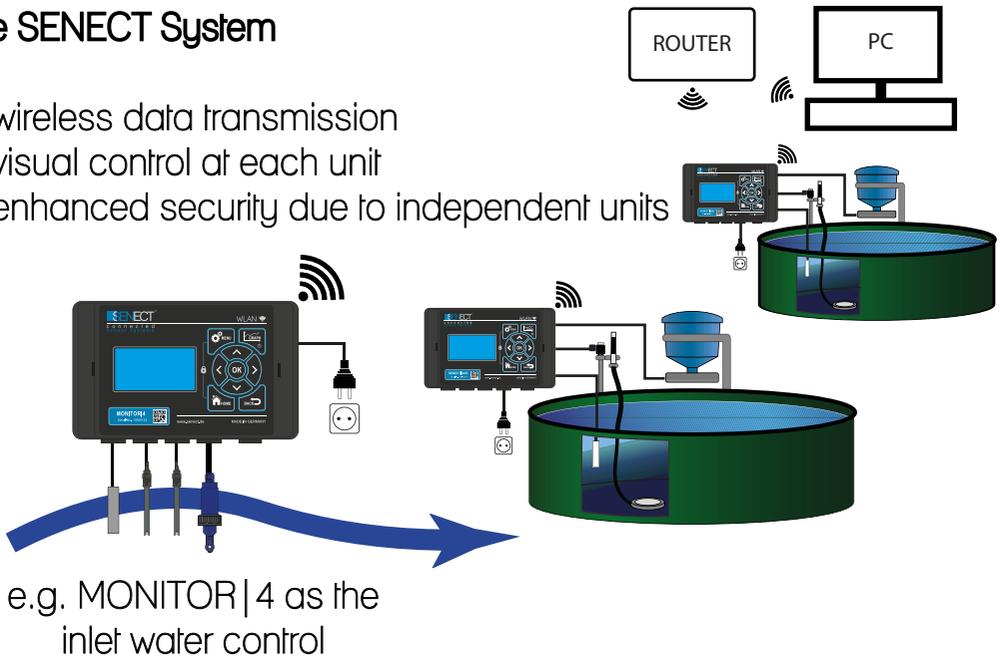The controller MONITOR|4 is one important component in the SENECT System.

The SENECT System combines **sensors**, which measure the desired parameters (e.g. dissolved oxygen), **control units**, which translate and evaluate the measured signals and initiate the systems response and actuators (e.g. solenoid valve for aeration), which execute the controllers tasks.

Thanks to its modular structure, the SENECT System is suitable for small and large facilities. With its single units, it enhances redundancy and since the data of all units can be connected, it is easy for you to check everything by the overview of the SENECT Control App on your smartphone, tablet or PC.

Additionally, you can always expand your SENECT System - for example when you want to rise the production capacity. There, a further advantage comes into play: there are no costs for data cables involved which also minimizes the risk for failures caused by cable damage - especially important in outdoor systems.
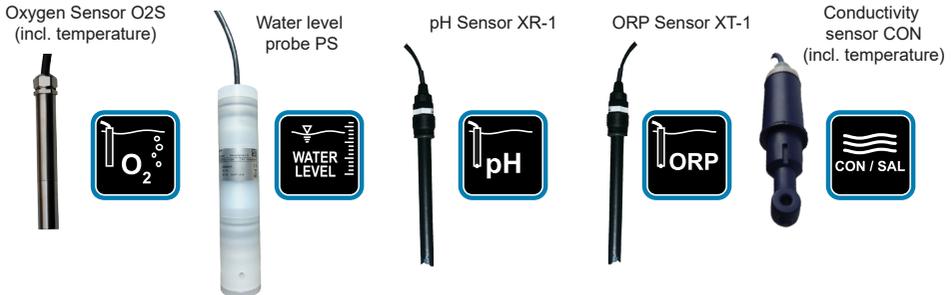
The SENECT System

+ wireless data transmission
+ visual control at each unit
+ enhanced security due to independent units

ROUTER   PC

e.g. MONITOR|4 as the inlet water control

Manifold options with the MONITOR|4

All SENECT sensors can be connected to the MONITOR|4. The following sensors are available:

Oxygen Sensor O2S (incl. temperature)	Water level probe PS	pH Sensor XR-1	ORP Sensor XT-1	Conductivity sensor CON (incl. temperature)
O₂	WATER LEVEL	pH	ORP	CON / SAL

Additionally, every MONITOR|4 can measure the atmospheric pressure with its internal barometric pressure sensor.

MONITOR|4	Art.-No.: M4-A1-40
Dimensions:	191 x 140 x 60 mm
Supply voltage:	100-250 V AC / 50/60 Hz (24 V DC optional)
Power consumption:	max. 15 W
Sensor-Inputs:	4 x Universal-sensor input (compatible to all SENECT sensors)
Output ports:	none
Ingress protection:	IP67
Data transmission:	2,45 GHz WLAN

DSS M4001-002 EN Version: 1.0 Status: released, subject to alterations

SENECT GmbH & Co. KG
An 44 - Nr. 11
76829 Landau / Pfalz - Germany

+49 (0) 6341 - 95 95 210
info@senect.de
www.senect.de