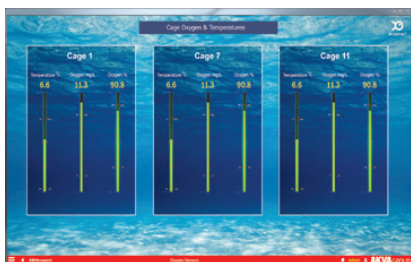


Akvasmart Enviro Sensor Network



The new sensor network can support up to 3 probes. Either a mix of 3 x oxygen or salinity or 1 x multi parameter sonde.



AKVAconnect the single package for all your needs. Scalable – Works from a single cage installation up to an entire farm cage setup. Up to three sensors connected to each cage side unit.

Standalone network for water quality and environmental data

AKVA group have developed a wireless communications network to send data between pens and barge.

All data can be viewed, recorded and logged within the AKVA connect software package, allowing parameter thresholds to be set and highlighted. The Akvasmart Enviro Sensor Network is designed as a standalone system therefore does not require existing camera systems to function. However, when combined with Akvasmart Camera system it centralises your camera and sensor data in an easy to use software environment.

Product Features & Benefits

- Standalone system - Does not require existing camera system
- Scalable – from a single cage installation up to an entire farm cage setup
- Multiple sensors connected to each box. Allowing the system to grow.
- Ease of installation – no cage side configuration.
- Flexible – Range of sensors options available.
- Data export automatically to excel format on server.
- Alarm condition displayed in AKVAconnect on communication loss with sensor. Will re-establish if fault condition removed.
- 24 hours a day logging the system includes a battery backed server. Warning messages or alerts are sent in real time, not after the event.
- Separate UPS battery enclosure.
- When combined with AKVA supplied wireless link data



Flexible, rugged bracket connection units can be mounted horizontal or vertical, directly on the cage bracket.



The compact Akvasmart Multi Sensor houses six water quality sensors and measures 12 different parameters.



Temperature – the foundation for all feeding regimes and growth models.



AKVA group is the world's leading supplier of aquaculture technology, promoting well known brand names such as: Wavemaster, Polarcirkel, Fishtalk and Akvasmart.

Product Components

Communication Hub – Main connection point for sensors, contains all electronics and internal communication radio that can support up to 3 probes. Either a mix of 3 x oxygen or salinity or 1 x multi parameter sonde. Inside the case there are transmit, receive, and power indicators along with fuses for input and battery.

UPS Cage Kit – Separate battery enclosure allows the system to log for 24hours a day. Which can easily fit in to your existing cage bracket.

Two and four year rental options are available – with a set price covering all servicing, spares, calibration and software support. No hidden costs.

Akvasmart Enviro Network Specifications:

Range:	+800m
Frequency:	868MHz (EU license free band)
Battery Size:	24Ah (if required)
Power supply:	115v-230v Single Phase. 12v model available on request
Number of Communications Hub per base:	50+
Sensors per Communications Hub:	3
Battery Life:	Minimum 24hours. Requires optional UPS pack. Depends upon number of sensors and type of sensors attached.
Mount Bracket:	Galvanised Steel/Stainless Steel
Sensor Cases:	Yellow

Range of sensor options are available:

Oxygen, Salinity, pH, Temperature, TDS, Turbidity, Chlorophyll, and Blue Green Algae.



Your Aquaculture Technology and Service Partner

- Complete Aquaculture Projects • Recirculation Systems • Plastic Cages • Steel Cages • Moorings • Nets • Net Cleaning • Cage Cleaning
- Workboats • Feed Barges • Feed Systems • Camera & Sensor Systems • Underwater Lights • Software • Rental • Service