



## APRIL NEWSLETTER

BY DR KAY MCGUINNESS

The start to the year has been fast paced, sending out a number of sensors for trials as we extend the operational capability of our sensor. This work has culminated in the launching of our AQ and OC ranges.

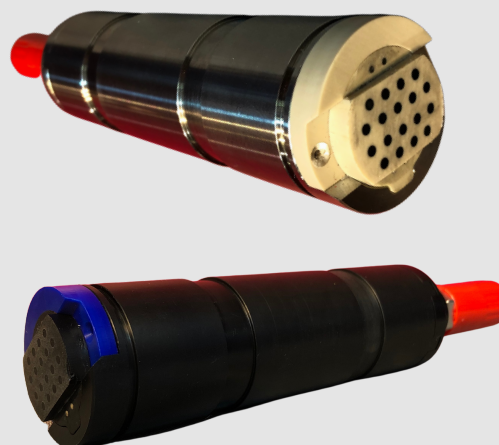
These sensors cover depths from 5m to 1250m and operate across the entire salinity range, from fresh water to oceans.

At Oceanology International the new OC range was showcased at our Future Tech stand, with overwhelmingly positive feedback about the new sensors design.

We are now taking orders for these sensors as we start to scale up for manufacturing in the next quarter.

## INTRODUCING OC & AQ SENSORS

CALIBRATION-FREE pH  
SALINITY  
TEMPERATURE



## FEATURES OF OC & AQ RANGE



CALIBRATION-FREE  
no end user calibrations



FULL SALINITY RANGE  
no intervention required



AUTOSTART MONITORING  
quick and simple



TEMPERATURE SENSOR  
in situ measurement



REAL TIME FEEDBACK  
sensor performance report



EASY STORAGE  
can be stored wet or dry



EASY TO USE  
low maintenance



ROBUST  
solid state, no fragile glass

# UPCOMING EXPO



**Aquaculture UK**  
Aviemore, Scotland

**3-5 MAY 2022**

We will be at Aquaculture UK.  
If you are attending, come and see  
our sensors in action on Stand 41

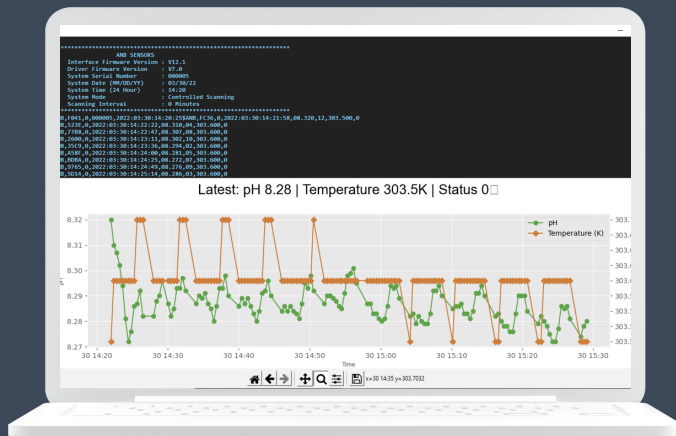
BY DR NATHAN LAWRENCE

I would like to start by thanking all of our collaborators for working with us on the field trials. The learnings and feedback from the trials have been invaluable in helping us optimise our newly launched AQ and OC sensors.

This quarter has been a challenging one; tackling issues around component supply chain, redesigning PCBs to fit the current component availability and ensuring the mechanical designs meet our customers' needs.

We are excited to move into the next quarter where we will be showcasing the sensor at Aquaculture UK. We've been promising a sensor to our friends in the aquaculture world that measures pH without the need for calibration, along with temperature and salinity, and it will be great to finally meet them face to face and show them the sensor in action!

## New UI

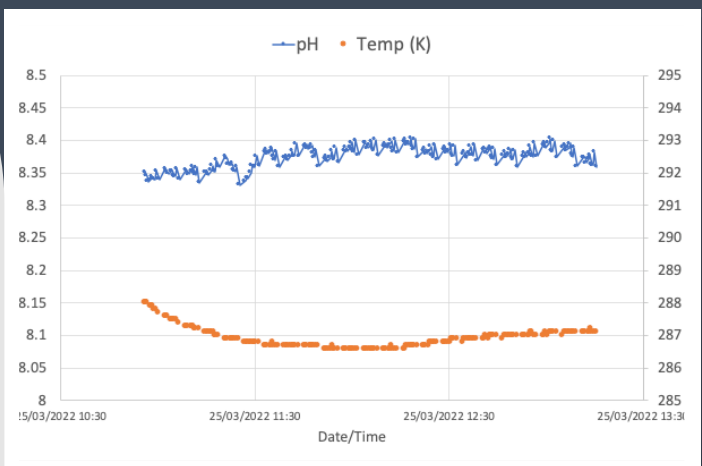


## OTHER NEWS

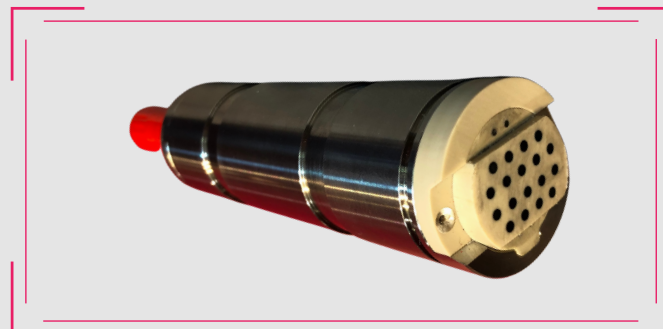
## Award



## Field Trials



# PRODUCT PORTFOLIO



## SPECIFICATIONS

pH RANGE: 2-10  
 RESOLUTION: 0.01 pH  
 ACCURACY: +/- 0.05 pH  
 SALINITY: 0 - 36 ppt  
 OPERATIONAL TEMP: -5 to 40C  
 TEMP SENSOR: to 0.1C

RESPONSE: instantaneous  
 DIMENSIONS: 41 x 191 mm  
 WEIGHT IN WATER:  
 AQ5 - 0.04 Kg  
 AQ50/OC300 - 0.08 Kg  
 OC1250 - 0.38 Kg

MODES: timed, polled, continuous  
 COMMS: RS232/485, USB  
 STORAGE: 8 GB  
 SUPPLY VOLTAGE: 6 - 42 VDC  
 POWER CONSUMPTION: 110 mA  
 SLEEP MODE POWER: <1 mA

	Sensor	Depth rating	Uses
For Oceans	OC300	300 m	Buoy deployments, vehicles, profiling
	OC1250	1250 m	
For Aquaculture & Rivers	AQ5	5 m	RAS, hatcheries, ponds, rivers, intertidal
	AQ50	50 m	Lakes, sea farms, estuarine, coastal monitoring
For Integrators	Integration kit	-	Integrating into sondes, UVs, well boats, ferry boxes