



JULY NEWSLETTER

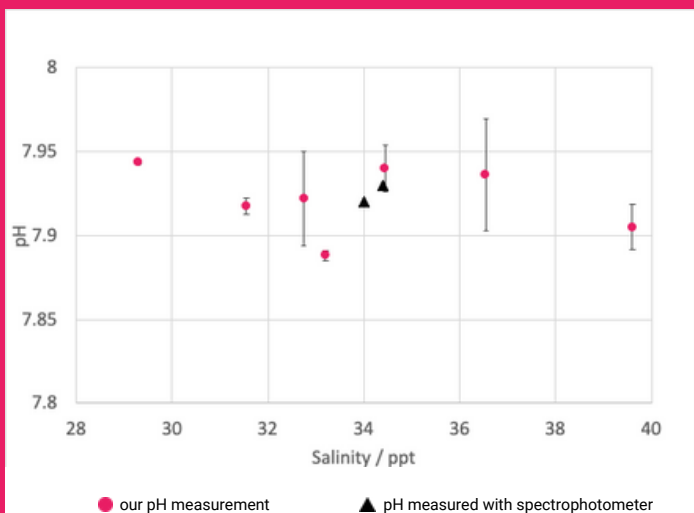
BY DR NATHAN LAWRENCE

As our field trial results continue to come in, I wanted to highlight a really exciting result. THE most frequent question we are asked is "Does the sensor suffer from biofouling?" Although we have done numerous tank tests in the lab and have never seen any fouling, we were excited to get the results back from our sensor deployed in the Balearic Sea, where we know biofouling is prevalent. Collaborating with the excellent team at UPC (Jericho Next funded) we are pleased to say we have great results! As you can see from the images, although the sensor is covered in growth, the active sensing part shows no evidence of biofouling, and this is after 6 weeks of deployment. This is further proof that our in-built bioremediation is working as designed.

FIELD TRIALS GOOD NEWS FOR BIOFOULING!



SALINITY TESTS



We have also been investigating the impact of higher salinities in our lab tanks, showing the sensor can operate in conditions of around 40 ppt salinity without any change in calibration. We are now working with the great team at HCMR in the Mediterranean Sea to see our sensor in action under their ocean conditions!

BY DR KAY MCGUINNESS



Aquaculture UK was a milestone for the company - the launch of our AQ sensors into the Aquaculture industry. Thank you to everyone that visited us there and for the strong interest that you showed, we are looking forward to working with you all in the future.

In this quarter we have developed the interface for the new sensor and will be posting the instruction manual for the sensor on our website in preparation for customer delivery soon.

On the 6th July Nathan enjoyed the Marine Measurement Forum run by our partners RS Aqua. It was great to hear about all the interesting ocean technologies.

Looking ahead, our sales team are off to Canada in August to exhibit at the World Aquaculture Show in Newfoundland. There we will have a stand with our US distributors Aquatic Sensors, if you are there come and visit us and see the new sensor!

UPCOMING EVENTS



15-18 August
Newfoundland
Canada

SENSOR HIGHLIGHTS AT A GLANCE



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

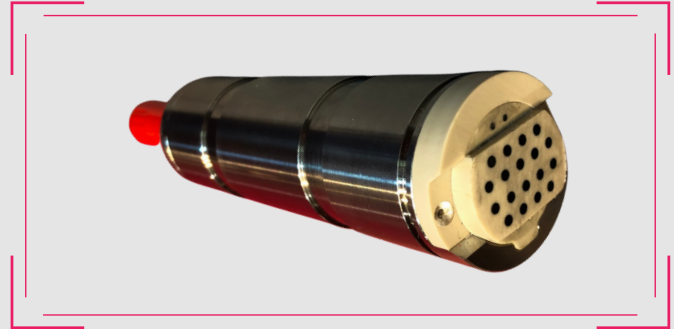
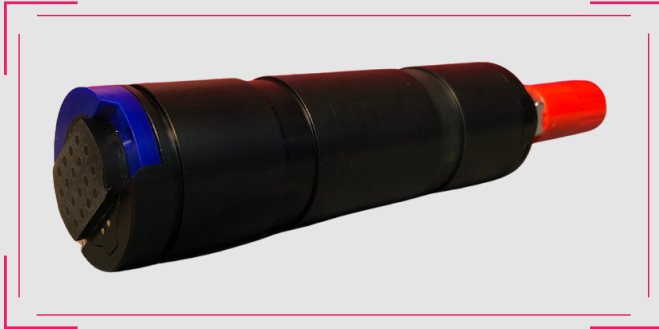


EASY TO USE
low maintenance



ROBUST
solid state, no fragile glass

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