10. Calibrate, refer to user guide.

11. Replace the red sensor cover and ensure the red O-ring is in the transport position while not in use. *(See image K and L)*

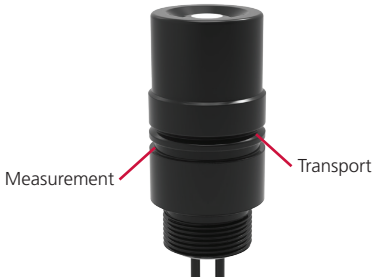


Image K



Image L

Support

For technical support, please reach out to support@rbr-global.com, call +1 613 599 8900 (EST), or visit rbr-global.com/support/service.

RBR

MEASURE THE BLUE PLANET

rbr-global.com

OXYGUARD SUPPORT KIT & REFURBISHMENT GUIDE



This Oxyguard support kit and refurbishment guide will aid in ensuring you can get the best data from your sensor. The kit provides all the materials required to refurbish your sensor, restoring it to the performance it had when it left the factory. We recommend that you investigate the state of the anode, membrane, and electrolyte before calibration. Consider following the refurbishing steps if there looks to be damage to the membrane, a cloudiness to the electrolyte, or a buildup on the anode (see image A). The sensor's performance should be checked before every major deployment and calibrated if the unit is not reading within specification. This guide will describe all the steps for refurbishing your sensor; however, the process for calibration is found in the Ruskin user guide.

Included in your kit

- Membranes
- O-rings
- Oxyguard electrolyte solution
- Scouring pad
- Tool

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MEASURE THE BLUE PLANET

Instructions

To refurbish the Oxyguard DO sensor you will need replacement membranes, replacement O-rings, Oxyguard electrolyte solution, a scouring pad, and the included tool in the provided Oxyguard Refurbishment Kit.



1. Twist off the black cap. We recommend that you unscrew the cap with the sensor facing downwards to ensure the electrolyte fluid remains inside the cap. *(See image A)*

2. Use the included tool from the Oxyguard DO refurbishment kit to twist out and remove the inner plastic ring. *(See image B)*



Image A



Image B

4. Carefully remove the inner black O-ring and membrane. When disassembled you will have the cap, membrane, O-ring, and the plastic ring separated from the body of the sensor.

5. Clean the hard plastic ring, cap, and anode with water. Rub the anode with a scouring pad to remove residue. If the residue will not come off soak in mild acetic acid (vinegar) and rub. *(See image C and D)*

6. Rub the scouring pad on the tip of the cathode gently until it shines.

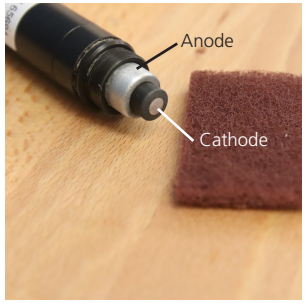


Image C

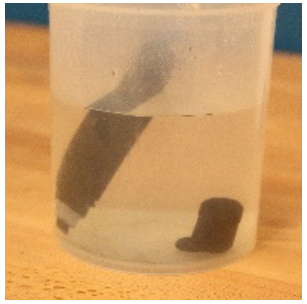


Image D

7. Replace the membrane and the O-ring. *(See image E)*

8. Replace the plastic inner ring and tighten it to the O-ring using the included tool. *(See image F and G)*

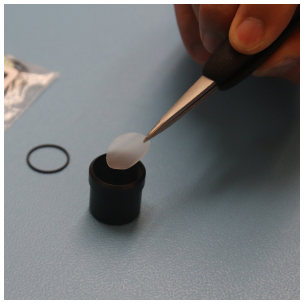


Image E



Image F

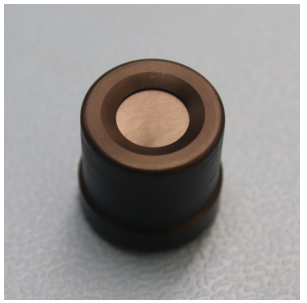


Image G

9. Fill the sensor cap up to the threads with electrolyte fluid. Holding the sensor facing down, screw on the cap. Some electrolyte solution will overflow. *(See images H, I and J)*

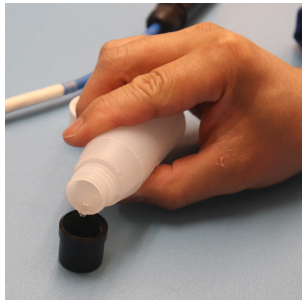


Image H



Image I

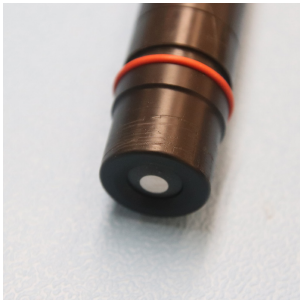


Image J