

General Info

The RDO sensor measures dissolved oxygen and temperature in a variety of applications.

Partech's RDO sensor is rugged and accurate. The stainless steel housing provides corrosion resistance. A replaceable sensor cap ensures quality data.



STANDARD SENSORS	DIMENSIONS	WEIGHT	ACCURACY	RANGE	CABLE LENGTH	SERVICE REQUIREMENT
OxyTechw2 RDO Sensor	203 mm (7.9") long x 47 mm (1.8") diameter	0.8 kg (1.76 lbs) inc 5m of cable	±0.1 mg/l (0-20 mg/l) ±2% (20-60 mg/l)	0-60 mg/l; 0-600% Saturation -5°C to 50°C (23°F to 122°F)	5 or 10 metres standard	No routine servicing

RDO Sensor - Maintenance

How to Replace the RDO Cap

Calibrate
RDO cap has exceeded recommended life.
Inspect and replace if worn or damaged
OK=Continue, MENU=Exit

The monitor displays a warning when the sensor cap is close to expiration.



Remove the nose cone from the probe.



Pull the RDO cap away from the probe.



Align the flat edge on the tip of the probe with the flat edge inside the cap. Slide the cap in place.

RDO Sensor - Programming

Using the Salinity Settings

Main Menu
Monitor Config
Measurement Config
Sensor Config
Recorded Data
Information

Select **Sensor Config** from the main menu and press **OK**.

Sensor Config
Set Baro Pressure
Set Salinity
Restore Defaults

Choose **Set Salinity** and press **OK**.

Sensor Config
DI Water (0.00)
Freshwater (0.20)
Brackish (20.00)
Seawater (35.00)
User Defined

Select the appropriate default or choose **User Defined**. Press **OK**.

User Defined
0000.00 PSU
Use ←→ to set value
OK=continue MENU=Exit

Use the arrow keys to set the value. Press **OK** when finished.

Setting Barometric Pressure

Main Menu
Monitor Config
Measurement Config
Sensor Config
Recorded Data
Information

Select **Sensor Config** from the main menu and press **OK**.

Sensor Config
Set Baro Pressure
Set Salinity
Restore Defaults

Select **Set Baro Pressure** and press **OK**.

User Defined
0000.00 mbar
Use ←→ to set value
OK=continue MENU=Exit

Use the arrow keys to set the value and press **OK** when finished.

Restoring Default Settings

Main Menu
Monitor Config
Measurement Config
Sensor Config
Recorded Data
Information

Select **Sensor Config** from the main menu and press **OK**.

Sensor Config
Set Baro Pressure
Set Salinity
Restore Defaults

Choose Restore Defaults and press **OK**.

Restore Defaults
Dissolved Oxygen
OxyTechw2 RDO 750
SN: 789994
OK=Continue Menu=Exit

The monitor displays sensor info. Press **OK**.

Restore Defaults
Restore Complete
Press OK to continue

When the restore is complete, press **OK**.

RDO Sensor - Calibration

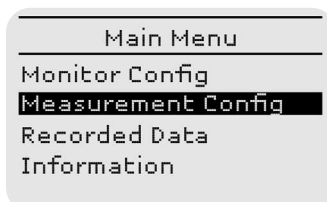
Dissolved Oxygen Sensor - 100% Open Air Calibration



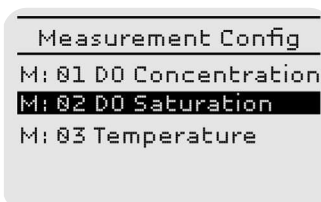
Calibrate the RDO sensor using the saturation method described below. See the manual for the Partech 750w² Monitor to get more information about calibration.



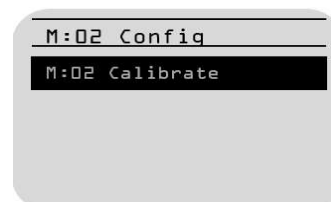
Press **Menu** on the keypad to display the main menu.



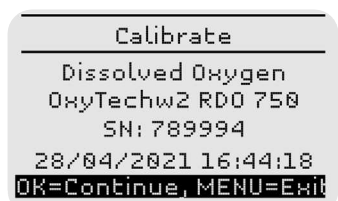
Select **Measurement Config** and press the **OK** key.



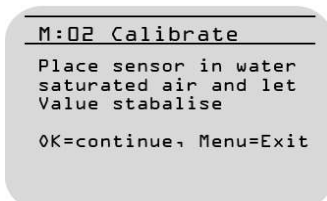
Choose **DO Saturation** and press **OK**.



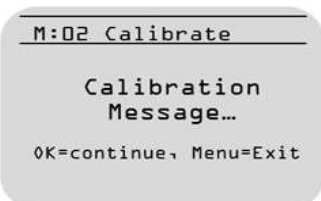
Highlight **Calibrate** and press **OK**.



The monitor displays sensor info. Press **OK**.



Calibrate the sensor in open air free from drafts. Press **OK**.



Wait for a saturation percentage of roughly 90%. Then press **OK**.