

Sensor Specifications

Sensor Summary

Sensors	Expected Lifetime*	Recommended Calibration Frequency	Pressure Rating - PSI	Usable Depth		Operational Temperature Range
				m	ft	
pH/ORP	2 years or greater**	10 to 12 weeks**	350	200	650	- 5 to 50° C
RDO	2 years or greater	12 months**	350	200	650	- 5 to 50° C
Conductivity	2 years or greater	User calibration only if needed	350	200	650	- 5 to 50° C
Temperature	2 years or greater	NA	350	200	650	- 5 to 50° C
Turbidity	2 years or greater	User calibration only if needed	350	200	650	- 5 to 50° C
Pressure	2 years or greater	User calibration only if needed	12.8 42.7 108 285	9 30 76 200	30 100 250 650	- 5 to 50° C
Barometric Pressure	2 years or greater	User calibration only if needed	NA	NA	NA	- 5 to 50° C
Ammonium	6 to 12 months**	Monthly**	30	25	70	0 to 40° C
Chloride	1 year or greater**	Monthly**	350	200	650	0 to 50° C
Nitrate	6 to 12 months**	Monthly**	30	25	70	0 to 40° C
Chlorophyll a	2 years or greater	User calibration only if needed	350	200	650	- 5 to 50° C
BGA-PC	2 years or greater	User calibration only if needed	350	200	650	- 5 to 50° C
BGA-PE	2 years or greater	User calibration only if needed	350	200	650	- 5 to 50° C
Rhodamine	2 years or greater	User calibration only if needed	350	200	650	- 5 to 50° C
Fluorescein	2 years or greater	User calibration only if needed	350	200	650	- 5 to 50° C
FDOM	2 years or greater	User calibration only if needed	350	200	650	- 5 to 50° C
Crude Oil	2 years or greater	User calibration only if needed	350	200	650	- 5 to 50° C

* Expected lifetime includes total shelf life and deployment lifetime.

** Lifetime and calibration frequency depend on site and storage conditions.

Solutions

Solution	Shelf Life - Unopened	Shelf Life - Opened
Quick Cal	4 months. Store in a cool, dark place. Shake before use.	7 to 21 days (± 10 mV, ± 0.05 pH, ± 50 $\mu\text{S/cm}$)
ZoBell's	9 months. Store in a cool, dark place.	3 to 6 months
Low Conductivity (147 $\mu\text{S/cm}$)	12 months	Hours (± 1 $\mu\text{S/cm}$, check before use)
Other Conductivity	12 months	3 to 6 months
pH Calibration Buffers	24 months	3 to 6 months
Sensor Reference Filling Solution	24 months	12 months
pH Storage Solution	24 months	12 months
Sodium Sulfite	12 months	3 to 6 months
Turbidity	12 months	12 months from expiration date
Deionized Water	24 months	Hours, check before use for calibration
Ammonium	12 months	3 to 6 months
Chloride	12 months	3 to 6 months
Nitrate	12 months	3 to 6 months