

Aqua TROLL 500 & Aqua TROLL 600 Sensor Summary

Sensor Summary

Sensors	Product Life*	Recommended Calibration Frequency**	Pressure Rating - PSI	Usable Depth		Operational Temperature Range
				Meters	Feet	
pH/ORP	15 months	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	9	30	- 5 to 50° C
			42.7	30	100	
			108	76	250	
			285	200	650	
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
Chlorophyl 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

* Product life and calibration frequency dependent on site conditions.

** pH/ORP sensor life is 12 months in deployment conditions

Solutions

Solutions	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 μ S/cm)
ZoBell's	9 months. Store in a cool, dark place.	3 to 6 months
Low Conductivity (147 μ S/cm)	12 months	Hours (± 1 μ S/cm, check before use)
Other Conductivity	12 months	3 to 6 months
pH Buffers	24 months	3 to 6 months
pH Reference Fill and Storage	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

Potential Interferents

pH

Sodium salts

Dissolved Oxygen

Temperature, atmospheric pressure, salinity, chlorinity

Ammonium

Cesium, Potassium, Thallium, pH, Silver, Lithium, Sodium

Nitrate

Perchlorate, Iodide, Chlorate, Cyanide, Bromide, Nitrite, Hydrogen Sulfide (bisulfite), Hydrogen Carbonate (bicarbonate), Carbonate, Chloride, Dihydrogen Phosphate, Hydrogen Phosphate, Phosphate, Acetate, Fluoride, Sulfate

Conductivity

Temperature

ORP

Ions that are stronger reducing agents than hydrogen or platinum, e.g., chromium, vanadium, titanium, etc.

Chloride

Hydroxide, Ammonia, Thiosulfate, Bromide, Sulfide, Iodide, Cyanide

BGA-PC, BGA-PE, Chlorophyll a, Rhodamine

Turbidity