

## Dissolved Oxygen Sensor Submersible Design



- **Long life**  
Teflon membrane minimizes fouling.  
Temperature compensation provides stability
- **Easy to use**  
Self-instructing menu  
Six months between calibrations
- **Low maintenance**  
Field replaceable O2 cartridge  
Flushes automatically
- **Easy to install**  
Telescopic rod mounts to handrail in minutes

## Dissolved Oxygen Sensor O2X

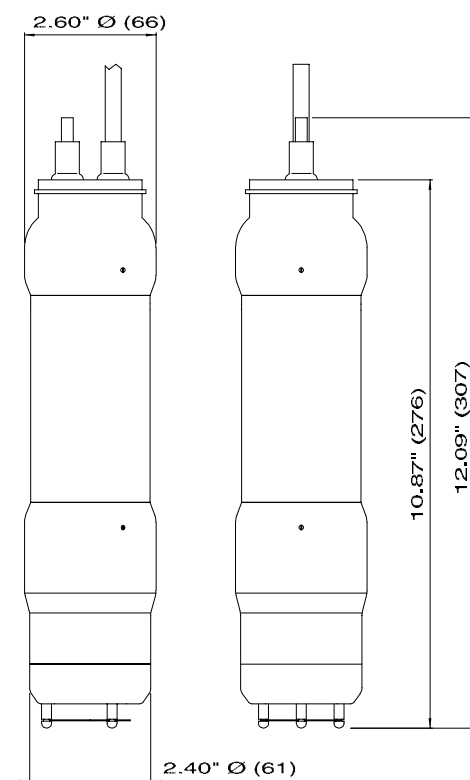
for continuous measurement of dissolved oxygen in SBR systems, aeration basins and final effluent. The O2X is essential in saving energy associated with running blowers in aeration basins. The measurement of dissolved oxygen also assists in controlling nitrification/denitrification and leads to better process control. The oxygen electrode provides stable and reliable readings. The special, patented design of the electrode ensures that the air bubble will not touch the silver anode when in operation. This prevents corroding of the electrode and ultimately contributes to its long life. In addition, an automatic cleaning feature

with built-in flushing nozzles and no moving parts guarantees accurate measurements and little maintenance. Two O2X sensors (or other sensors in the X-series) can be connected to a single BB2 box, which provides two 4-20 mA out-puts. While the BB2 can support up to four sensors, this is reserved for applications utilizing profibus technology. Sensors are easily connected to the BB2 control box with a simple plug & play connection.

**Option:** Electrode protection plate

### Technical Specifications

Mounting	Immersion of sensor in liquid
Material	316SS (2343)
Weight	3.9 lbs (1.8 kg)
Flushing hose	1/4" PVC, 33", 10m
Cable	Hytrell, black, 33ft (10m)
Cleaning	Air or water, 60-90 psig (4 - 6 bars)
Enclosure	NEMA 4X (IP68)
Electrode	Clark principle
Type	Replaceable cartridge
Active material	Gold / silver (cathode / anode)
Membrane	FEP Teflon, 0.025 mm (optional 0.120 mm)
Process temp	32... 122 °F (0... + 50 °C)



**Cerlic's product line** contains sensors for measuring and monitoring your process. Our instruments are used in municipal waste water & water treatment plants, industrial and pulp & paper process control. The development of our BB2 product line is the result of increasing demand for instrumentation that is reliable, accurate and durable.

