



## Features

- Industrial-grade quality
- Field serviceable
- Quick response time
- In-line or submersible mounting options

## Description

The AM-CDO is a traditional Clark cell style dissolved oxygen sensor that has been re-engineered to provide accurate readings, long-life, stable output and easy maintenance. Although optically-based probes have become prevalent in wastewater monitoring, Clark style probes are simple, inexpensive, rugged and provide superior readings at very low dissolved oxygen concentrations.

The latest AM-CDO probe replaces the P91 probe and P91D cartridge. The new probe offers much longer lifetime and can be refurbished very easily by the user. The result

is a lower cost of ownership than any electrochemical D.O. probe on the market.

Large platinum cathode and increased membrane surface area allows to detect even smallest DO concentrations that is usually hard to measure with optical sensors .

The new design adds additional process fitting for in-line mounting option. Sensor can also be submersed using 1" NPT thread from the back.

AM-CDO is compatible with the new AM-2251 controller as well as legacy AquaMetrix 2200D controller.

## Applications

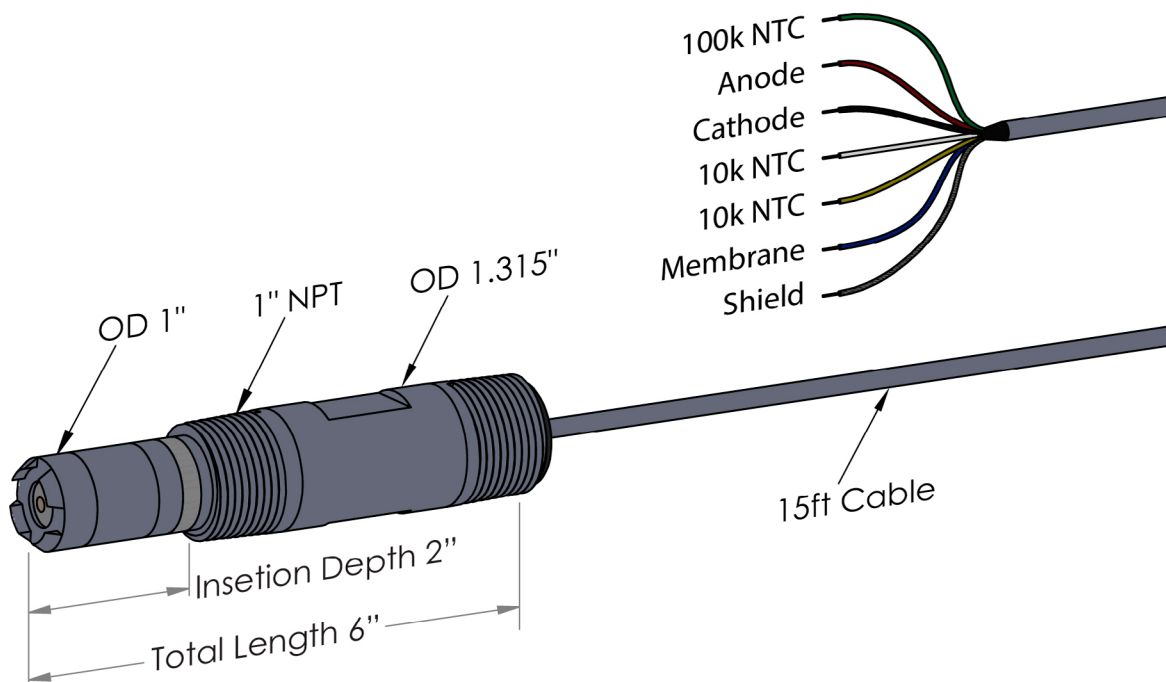
- Aquaculture
- Boilers
- Industrial and Municipal Water Treatment
- Deaeration

# Model AM-CDO Clark Cell D.O. Sensor

## Technical Data

|                    |  |                    |                             |
|--------------------|--|--------------------|-----------------------------|
| Measuring Range    | 0 to 10 ppm<br>0 to 110% sat                     | Sensitivity        | 0.04% sat<br>3 ppb          |
| Wetted Materials   | CPVC body, FEP membrane, silicone                | Sensor Cable       | Default length 15 ft (4.5m) |
| Temperature Limits | 23 to 176°F (-5 to 80°C) at atmospheric pressure | Temperature Device | 10K NTC and 100K NTC        |
| Maximum Pressure   | 100 psig at 150°F (65°C)                         |                    |                             |
| Maximum Flow Rate  | 10 ft. (3 meters) per second                     |                    |                             |

## Dimensions



## Related Products

### ACCESSORIES

|            |  |
|------------|--|
| AM-ARM-5   | Submersion hardware for tank mounting                                    |
| AM-TEE-5   | 2" Union Tee with adapter  |
| AM-CDO-KIT | 30ml refill solution, replacement membrane, o-rings and polishing strips |
| AM-CDO-CAP | Replacement membrane cap   |
| AM-JB1     | NEMA 4X junction box   |
| AM-CBL60   | Extension cable  |

## Compatibility

### ANALYZERS

|         |                                    |
|---------|------------------------------------|
| AM-2251 | Multi-Parameter Controller         |
| 2200D   | Legacy Dissolved Oxygen Controller |

### SENSORS

|            |                                |
|------------|--------------------------------|
| AM-P91-015 | Legacy Dissolved Oxygen Sensor |
|------------|--------------------------------|