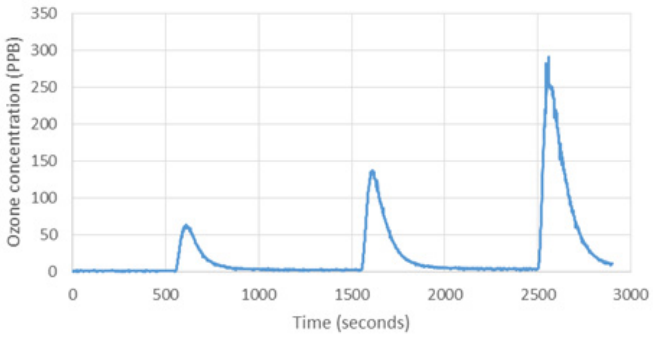
OxyGuard Ozone Sensor

High speed - High resolution ozone measurement

Measurements with an OxyGuard Ozone Probe



Response time: Ozone is added after 550 seconds, and the sensor responds almost immediately. The same result can be observed when adding increasing portions of ozone after 1550 and 2490 seconds. A fast breakdown of the ozone is seen as well.

The newly developed OxyGuard Ozone Sensor is designed specifically for use in aquaculture; it uses completely new innovative technology. The sensor measures the partial pressure directly without the use of electrolyte, reagents, light or other traditional methods. Our technology makes the probe ideal for aquaculture; the probe measures extremely low concentrations with a fast response time, and requires almost no maintenance.

With its ability to measure the ozone content in water down to only a few µg/l, you ensure safe conditions for the stock.

The most important feature of the sensor is its exceptionally fast response time. The technology used gives an almost immediate response, which is paramount for use in aquaculture to ensure safety of the stock and the environment.

TECHNICAL INFORMATION
Specification
Units of measure:
PPM (mg/l).
Measuring ranges:
Low: 0-0.8 mg/l (best between 0 and 0.5).
High: 0.5-8 mg/l.
Operating temperature:
0-40 degrees Celsius (°C).
32-104 degrees Fahrenheit (°F).
Dimensions:
D: 40 mm, L: 104 mm.
D: 1.57 in., L: 4.09 in.
Cable length:
Standard: 7 meters; any length available upon request.
Response time:
90% in less than 45 seconds (for the low range type).
90% (period yet to be specified for the high range type).
Medium:
Water. Can be made for use in air upon request.
Installation:
The OxyGuard Ozone Sensor is designed to be connected to an OxyGuard Pacific system or an OxyGuard Marlin system.
Ordering information:
G20L: Ozone probe, for Pacific/Marlin, low measuring range 0-0.8 mg/l.
G20H: Ozone Probe for Pacific/Marlin, high measuring range 0.5-8 mg/l.

G20 OxyGuard Ozone Sensor brochure GB 2021 09
Data subject to change without notice

OxyGuard International A/S,
Farum Gydevej 64, DK-3520 Farum, Denmark
Tel +45 4582 2094; Fax +45 4582 1994
oxyguard@oxyguard.dk; www.oxyguard.dk