

Ozone Amperometric Sensor

MS OZ 2

With the exception of the 4-20mA sensors, where the length is 220mm, the sensors have a length of 175mm and a diameter of 25mm, with plug adaptor connection.

They are designed to fit into the available flow cells.

The low current produced by the sensors is electronically amplified in the measurement cell.

No zero point calibration is necessary, and measurements can be taken in pressure up to 1 BAR.

The sensors are temperature compensated, and will operate in the range 0 to 45 degrees C

The water has to be flowing to obtain a reading, which is why flow cells are recommended.

Changes to the minimum flow rate will only slightly affect the measurement signal.

Surfactants should not be present in the water being measured.

For the dual electrode system, the measurement cell is made of gold, and the counter and reference electrodes of silver with silver halogenid coating. A bias voltage (polarisation) is applied between the two electrodes.

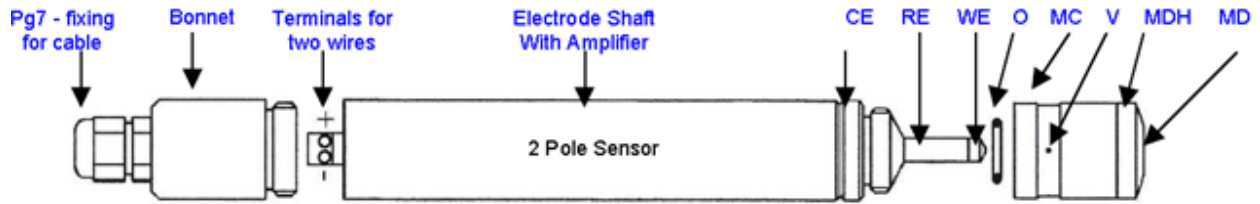
For the potentiostatic 3 electrode system, the measurement electrode is made of gold, the reference electrode is made of silver with a silver halogenid coating, and the counter electrode of stainless steel.



- Amperometric Dual Electrode System with Replacement Membranes.
- Gold Cathode, Silver/Silver Halogenid Anode.
- Temperature Range 45°C

SPECIFICATION

Type : 2 pole Sensor, Gold Cathode, Silver/Silver Halogenid Anode
Range : 0.00 – 2.00 ppm
Resolution : 0.01 ppm
pH Range : 2 – 11 pH
Temp Range : 0-45°C
Output : 4-20 mA
No of Electrodes : 2
Membrane Cap : M20



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|----|-----------------------|-----|------------------------|
| CE | - Counter Electrode | MC | - Membrane Cap |
| RE | - Reference Electrode | V | - Vent |
| WE | - Working Electrode | MDH | - Membrane Disc Holder |
| O | - O-Ring 14 x 1.8mm | MD | - Membrane Disc |