

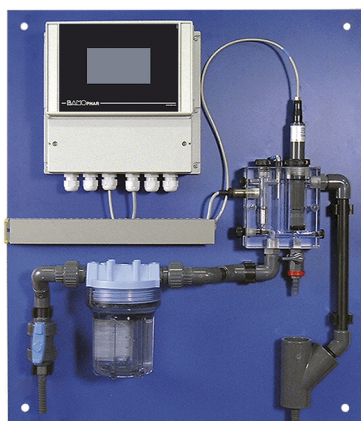
# Ozone sensor OZ10.1



- For clear water or sea water
- Highly resistant to surfactants
- Temperature : up to 45 °C
- Pressure: up to 1 bar

## FEATURES

Measured parameter	Ozone
Applications	Water treatment (quality of drinkable water), sea water, R.O. produced water (>10 µS/cm ) e.g.: Bottles disinfection, CIP etc. Surfactants: tolerated
Measuring system	Closed cell with 2 electrodes and electrolyte
Supply voltage	12 ... 30 V DC (Load: 500 to 900 Ω)
Output signal	4-20 mA, screw connector, (2x 1mm <sup>2</sup> ) No galvanic insulation
Operating temperature	From 1 to 45 °C Automatic temperature compensation
Operating pressure	0.5 bar without retaining ring 1 bar max. with retaining ring (No vibrations; No pulsating flow)
Flow-rate	About 15 to 30 l/h
pH operating range	pH 4..9
Zero adjustment	Not necessary (from factory)
Slope calibration	Only 1 point with BAMOPHAR 194
Calibration	DPD-4 method (DPD-1 + DPD-3) and record results on the BAMOPHAR 194 in the CALIBRATION menu.
Materials	PVC-U and AISI 316 Ti (1.4571)
Protection rate	IP65
Dimensions	O.D. 25 mm, length 220 mm (4-20 mA)



Complete measuring system  
(assembly sold separately)

**EC Conformity: The instrument meets the legal requirements of the current European Directives**

## CODE NUMBERS AND REFERENCES

Code	Reference	Measuring range	Resolution
193 148	OZ10.1MA2	0.005...2 mg/l	0.001 mg/l
193 149	OZ10.1MA5	0.05...5 mg/l	0.01 mg/l
193 150	OZ10.1MA10	0.05...10 mg/l	0.01 mg/l
Spare parts			
193 914	M10-3N	Diaphragm for OZ10.1 sensor	
193 958	EOZ 7/W	Electrolyte for OZ10.1 (100 ml)	

*Other versions on request*

### Precautions

Flow rate must be constant and a measuring cell with flow controller is necessary (data-sheet 193-95).

In order to install easily a complete system, we propose assemblies designed for specific applications (on request)

### Maintenance :

Check the measuring signal regularly, at least once a week.

The following indications depend on water quality:

- End-cap replacement : once a year
- Electrolyte change: every 3 - 6 months

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Ozone sensor  
**OZ10.1**

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