

**Ozone sensor****Article-No. 461 7300****Properties**

- amperometric, membrane covered ozone measuring cell
- surfactants are tolerated

**Applications**

all types of water treatment, e.g.:

- bottle washing machines
- CIP-systems
- rinser
- control of disinfection levels

**Technical data**

Measuring principle	membrane covered, amperometric 2-electrode system
Measurand	ozone
Operating temperature	>5°C to <45°C
Temperature compensation	by automatically integrated temperature sensor temperature change <5°C per hour
max. operating pressure	1,0 bar, no pressure surges and/or vibrations
Mass flow	approx. 30 L/h, low flow dependency exists
pH-range	pH 2 – pH 11
Running-in time	on first starting up approx. 1 h
Response time	T <sub>90</sub> : approx. 50 s
Zero compensation	not necessary
Slope matching	on the meter by means of analytical determination
Disturbance	Cl <sub>2</sub> : OZ7H: leads to an increase of the measured value by 1,5 % OZ7N: negligible CLO <sub>2</sub> : OZ7N: leads to an increase of the measured value by 6%
Dimensions	diameter: approx. 25 mm length: approx. 220 mm (4-20 mA, 2-pole clamp connection)
Storage	unlimited storable when frost free, dry and without electrolyte Used membrane caps are <b>not</b> storable!
Maintenance	regular inspection of the measuring signal min. once a week replacement of the membrane cap: once a year (depends on the water quality) electrolyte replacement: every 6 month

Version	Measurement range in ppm	Resolution in ppm	Output	Connection
OZ7MA0.2	0,05 – 0,20	0,01	4 – 20 mA uncalibrated	2-pole clamp
OZ7MA0.5	0,05 – 0,50	0,01	4 – 20 mA uncalibrated	2-pole clamp
OZ7MA2	0,05 – 2,00	0,01	4 – 20 mA uncalibrated	2-pole clamp
OZ7MA5	0,05 – 5,00	0,01	4 – 20 mA uncalibrated	2-pole clamp
OZ7MA10	0,05 – 10,00	0,01	4 – 20 mA uncalibrated	2-pole clamp