

## 1.1.1

## Ozone Sensor OZ10

Sensor for the measurement of dissolved ozone in water.



### Product description:

- Measurand(s): Ozone,
- Calibration: at the controller, analytical determination by DPD-method
- Interferences:
  - Cl<sub>2</sub> an OZ10H: increase of measuring value by 1.5%
  - Cl<sub>2</sub> an OZ10N: negligible
  - ClO<sub>2</sub> an OZ10N for OZ7N-version it leads to an increase of the measuring value of about 6 %,
- pH range: 2 ... 11,
- Pressure range: 0 ... 1 bar, no pressure surges and/or fluctuations,
- Temperature range: 0 ... 45 °C,
- Integrated automatic temperature compensation
- Response time: T<sub>90</sub> approx. 15 sec.,
- Flow rate: approx. 30 l/h, low flow-dependence,
- Shaft length: 175 mm, mA-Version 220 mm,
- Connection: standard 4-pole plug, mA-Version 2-pole terminal or M12 male,
- Material: PVC, semipermeable membrane,

### Areas of application:

- Fresh water, salt water, also sea water; surfactants are tolerated

### Scope of supply:

- OZ10: sensor, membrane cap, electrolyte

### Ordering data:

Type: Ozone sensor OZ10	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
OZ10H	0.005 ... 2.000	0.01	0 ... -2000 mV 1 kΩ	±5 ... ±15 VDC 10 mA	3426400
OZ10N	0.05 ... 20.00	0.01			3426401
OZ10H-An	0.005 ... 2.000	0.01		9 ... 30 VDC 20 ... 56 mA	3426405
OZ10N-An	0.05 ... 20.00	0.01			3426406
OZ10H-M0c	0.005 ... 2.000	0.01	Modbus RTU	9 ... 30 VDC 20 ... 56 mA	3426410
OZ10N-M0c	0.05 ... 20.00	0.01			3426411
OZ10MA0,5	0.05 ... 0.500	0.01	4 ... 20 mA	12 ... 30 VDC Ri: 50Ω ... 900Ω	3426415
OZ10MA2	0.05 ... 2.00	0.01			3426416
OZ10MA5	0.05 ... 5.00	0.01			3426417
OZ10MA10	0.05 ... 10.00	0.01			3426418
OZ10MA20	0.05 ... 20.00	0.01			3426419
OZ10MA0,5-M12	0.05 ... 0.500	0.01			3426420
OZ10MA2-M12	0.05 ... 2.00	0.01			3426421
OZ10MA5-M12	0.05 ... 5.00	0.01			3426422
OZ10MA10-M12	0.05 ... 10.00	0.01			3426423
OZ10MA20-M12	0.05 ... 20.00	0.01			3426424

**Additional technical data:**

Type: Ozone sensor OZ10	Slope:	Connection:	Special characteristics:
OZ10H	-1000 mV/ppm	4-pole plug	Connection only to a controller with galvanically separated power supply
OZ10N	-100 mV/ppm		
OZ10H-An	-1000 mV/ppm		
OZ10N-An	-100 mV/ppm	M12 male	Connection only to a controller with galvanically separated power supply
OZ10H-M1c	Modbus RTU		
OZ10N-M1c			
OZ10MA0.5	32.0 mA/ppm	2-pole terminal	
OZ10MA2	8.0 mA/ppm		
OZ10MA5	3.2 mA/ppm		
OZ10MA10	1.6 mA/ppm		
OZ10MA20	0.8 mA/ppm	M12-Buchse	
OZ10MA0.5-M12	32.0 mA/ppm		
OZ10MA2-M12	8.0 mA/ppm		
OZ10MA5-M12	3.2 mA/ppm		
OZ10MA10-M12	1.6 mA/ppm		
OZ10MA20-M12	0.8 mA/ppm		

**Spare parts:**

Spare part:	For sensor type:	Item number:
Membrane cap M10G O3+G	OZ10 (all types)	9026019
Electrolyte EOZ7/W	OZ10 (all types)	9026049

**Accessories:**

Type:	For sensor:	Item number:
Sensor-simulator pH, redox, Cl	all sensors with mV signal	(10115)
mV-sensor-simulator	all sensors with mV signal	9026205
mA-sensor-simulator	all sensors with mA-signal	2125100
mV-simulator and mV-Tester	all sensors with mV signal	(10300)
mV-Simulator and mA-Tester	all sensors with mV-signal or mA-signal	(10305)
Photometer for Calibration	all sensors	
Reagent for photometer	all sensors	