

1.1.1 DOSASens Ozone Sensor OZ1.2

Sensor for the measurement of dissolved ozone in water.



Product description:

- Measurand(s): Ozone
- Calibration: at the controller, analytical determination by DPD-method
- Interferences: Cl₂ is measured with factor 0.03 of its measuring value, ClO₂ is measured with factor 0.7 of its measuring value
- pH range: 2 ... 11
- Pressure range: 0 ... 1 bar, no pressure surges and/or fluctuations
- Temperature range: 0 ... 45 °C (no ice crystals in measurement water)
- Integrated automatic temperature compensation
- Response time: T₉₀ approx. 15 sec.
- Flow rate: approx. 30 l/h, low flow-dependence
- Shaft length: standard 175 mm, and up to 220 mm in length (mA-Version)
- Connection: standard 4-pole plug; for mA-version 2-pole terminal, M12 male or Modbus RTU with M12 male
- Material: PVC, semipermeable membrane

Areas of application:

- Fresh water, surfactants must not be contained

Scope of supply:

- **OZ1.2:** sensor, membrane cap, electrolyte

Ordering data:

Type:	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
OZ1.2H	0.005 ... 2.000	0.001	0 ... -2000 mV 1 kΩ	±5 ... ±15 VDC 10 mA	3426540
OZ1.2N	0.05 ... 20.00	0.01			3426541
OZ1.2H-An	0.005 ... 2.000	0.001		9 ... 30 VDC 20 ... 56 mA	3426480
OZ1.2N-An	0.05 ... 20.00	0.01			3426481
OZ1.2H-M0c	0.005 ... 2.000	0.001	Modbus RTU		3426530
OZ1.2N-M0c	0.05 ... 20.00	0.01			3426531
OZ1.2MA0,5	0.001 ... 0.500	0.001	4 ... 20 mA	12 ... 30 VDC RL 50Ω ... 900Ω	3426550
OZ1.2MA2	0.01 ... 2.00	0.01			3426551
OZ1.2MA5	0.01 ... 5.00	0.01			3426552
OZ1.2MA10	0.01...10.00	0.01			3426553
OZ1.2MA20	0.01...20.00	0.01			3426554
OZ1.2MA0,5-M12	0.001 ... 0.500	0.001			3426520
OZ1.2MA2-M12	0.01 ... 2.00	0.01			3426521
OZ1.2MA5-M12	0.01 ... 5.00	0.01			3426522
OZ1.2MA10-M12	0.01...10.00	0.01			3426523
OZ1.2MA20-M12	0.01...20.00	0.01			3426524

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
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Additional technical data:

Type:	Slope:	Connection:	Special characteristics:
OZ1.2H	-1000 mV/ppm	4-pin plug	Connection only to a controller with galvanically separated power supply.
OZ1.2N	-100 mV/ppm		
OZ1.2H-An	-1000 mV/ppm		
OZ1.2N-An	-100 mV/ppm		
OZ1.2H-M0c	Modbus RTU	M12 female	Connection only to a controller with galvanically separated power supply.
OZ1.2N-M0c			
OZ1.2MA0.5	32.0 mA/ppm	2 pole terminal	
OZ1.2MA2	8.0 mA/ppm		
OZ1.2MA5	3.2 mA/ppm		
OZ1.2MA10	1.6 mA/ppm		
OZ1.2MA20	0.8 mA/ppm		
OZ1.2MA0.5-M12	32.0 mA/ppm	M12 female	
OZ1.2MA2-M12	8.0 mA/ppm		
OZ1.2MA5-M12	3.2 mA/ppm		
OZ1.2MA10-M12	1.6 mA/ppm		
OZ1.2MA20-M12	0.8 mA/ppm		

Spare parts:

Spare part:	for sensor:	Item number:
Membrane cap M20.2	OZ1.2 (all types)	9026001
Electrolyte EOZ1	OZ1.2 (all types)	9026054

Accessories:

Type:	for sensor:	Item number:
Sensor-simulator pH, redox, Cl	all sensors with mV signal	21131100
mV-sensor-simulator	all sensors with mV signal	9026205
mA-sensor-simulator	all sensors with mA-signal	on request
mV-Simulator and mA-Tester	all sensors with mV-signal or mA-signal	21131105
Photometer for Calibration	all sensors	90231030