

1.1.1 SONDA OZ

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_2 is measured with factor 0.03 of its measuring value, ClO_2 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: T_{90} 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:

- OZ : 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 k Ω	± 5 ... ± 15 VDC 10 mA	ASO0005502
OZ1.2N	0.05 ... 20.00	0.01			ASO0005501

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		

Spare parts:

Spare part:	For sensor type:	Item number:
Membrane cap M20.2	OZ1.2 (all types)	AM□ 0001201
Electrolyte EOZ1	OZ1.2 (all types)	9026054

Accessories:

Type:	For sensor:	Item number:
Cable	all sensors	SCV 000 ****

