

## 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:  $\text{Cl}_2$  is measured with factor 0.03 of its measuring value,  $\text{ClO}_2$  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:<br>ppm | Resolution:<br>ppm | Output signal:                 | Power supply:                     | Item number: |
|--------|-------------------------|--------------------|--------------------------------|-----------------------------------|--------------|
| OZ1.2H | 0.005 ... 2.000         | 0.001              | 0 ... -2000 mV<br>1 k $\Omega$ | $\pm 5$ ... $\pm 15$ VDC<br>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 | <b>OZ1.2</b> (all types) | AM□ 0001201  |
| Electrolyte EOZ1   | <b>OZ1.2</b> (all types) | 9026054      |

### Accessories:

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

