

1.1.1.

DOSASens Chlorine sensor CN1.1

Checks for the absence of chlorine in drinking water in order to protect equipment. Operating period in water without chlorine maximum four weeks. Membrane-covered, amperometric potentiostatic 3-electrode system with integrated electronics.

Product description:

- Masurand(s): NaOCI (sodium hypochlorite), Cl₂ (chlorine gas), electrolytically generated chlorine
- Examination: by means of analytic determination of chlorine by DPD 1method
- Calibrate the sensor with chlorinated water, establish a separate measurement circuit if required
- Interferences: CIO₂, O₃, bound chlorine may increase the value measured, reducing agent may cause slope loss
- Resolution: 0.001 ppm
- pH range: 6.5-9
- Pressure range:
 - Operation without circlip: 0 ... 0.5 bar, no pressure surges and/or vibrations
 Operation with circlip: 0 ... 1.0 bar, no pressure surges and/or vibrations
- Temperature range: 0-40 °C, (not any ice cristall in water)
- Integrated automatic temperature compensation
- Response time: T₉₀ approx. 2 min
- Absence of the disinfectant: max. 4 weeks
- Flow rate: approx. 15-30 l/h, low flow dependence
- Shaft length: standard 190 mm, and 205 mm (Modbus version)
- Connection: 5-pin M12 screwed plug
- Material: PVC-U, PEEK, stainless steel 1.4571, microporous membrane

Areas of application:

- Check for the absence of chlorine in water.

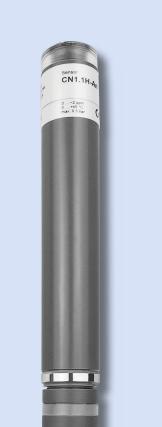
Scope of supply:

• DOSASens CN1.1 sensor, membrane cap, electrolyte, instruction manual

Ordering data:

| Туре: | Measuring range: | Resolution: | Output signal: | Power supply: | Item number: |
|-----------------------|------------------|-------------|-------------------|------------------------------------|--------------|
| | ppm | ppm | | | |
| CN1.1 H-An-M12 | 0.005-2.00 | 0.001 | 0 to -2000 mV | 9–30 VDC approx. 20 to 56 mA | 3626170 |
| CN1.1N-An-M12 | 0.05-20.00 | 0.1 | (max2500 mV)/1 kΩ | | 3626171 |
| CN1.1 H-MOC | 0.005-2.00 | 0.001 | | | 3326610 |
| CN1.1 N-MOc | 0.05-20.00 | | | | 3326612 |

Subject to technical modifications and printing errors. Images may vary slightly from actual product. 12.10.2022





Additional technical data:

| Туре: | Slope: | Connection: | Special characteristics: | |
|--------------------|--------------|--------------------------|--------------------------|--|
| CN1.1H-An-M12 | -1000 mV/ppm | - 5-pin M12 screwed plug | | |
| CN1.1N-An-M12 | -100 mV/ppm | | - | |
| CN1.1 H-M0c | Modbus RTU | | | |
| CN1.1 H-M0c | | | | |

Spare parts:

| Spare parts: | for sensor type: | Item number: |
|-----------------------|-------------------|--------------|
| Membrane cap M48.2G | CN1.1 (all types) | 9026021 |
| Electrolyte EMST1/GEL | CN1.1 (all types) | 9026053 |

Accessories:

| Туре: | for sensor type: | Item number: |
|--|---|--------------|
| Sensor simulator pH, Redox, Cl | all sensors with mV signal | 21131100 |
| Sensor simulator SIM11.1n | 0 mV, -100 mV, -1000mV | 9026205 |
| Sensor simulator 4–20 mA, current sensor | all sensors with mA signal | 90249000 |
| mV Simulator and mA Tester | all sensors with mV signal or mA signal | 21131105 |
| Photometer for calibration | chlorine, total chlorine, isocyanuric, pH | 90231000 |

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