

## 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.



### Product description:

- Measurand(s): NaOCl (sodium hypochlorite), Cl<sub>2</sub> (chlorine gas), electrolytically generated chlorine
- Examination: by means of analytic determination of chlorine by DPD 1 method  
Calibrate the sensor with chlorinated water, establish a separate measurement circuit if required
- Interferences: ClO<sub>2</sub>, O<sub>3</sub>, bound chlorine may increase the value measured, reducing agent may cause slope loss
- Resolution: 0.001 ppm
- pH range: 6.5 ... 9
- Pressure range: 0 ... 0.5 bar, no pressure surges and/or fluctuations
- Temperature range: 0 ... 40 °C, (not any ice cristall in water)
- Integrated automatic temperature compensation
- Response time: T<sub>90</sub> approx. 2 min
- Flow rate: approx. 30 l/h, low flow dependence
- Shaft length: standard 195 mm, and 205 mm (Modbus version)
- Connection: standard 4-pole plug, Modbus RTU M12 male
- Material: PVC-U, PEEK, stainless steel 1.4571, microporous membrane

### Areas of application:

- Check for the absence of chlorine in water

### Scope of supply:

- **CN1.1:** sensor, membrane cap, electrolyte

### Ordering data:

Type:	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
CN1.1H-An	0.005 ... 2.000	0.001	0 ... -2000 mV (max. -2500 mV) 1 kΩ	9 ... 30 VDC approx. 20 ... 56 mA	3326620
CN1.1N-An	0.05 ... 20	0.1			3326621
CN1.1H-M0c	0.005 ... 2.000	0.001	Modbus RTU		3326610
CN1.1H-M0c					3326612

### Additional technical data:

Type:	Slope:	Connection:	Special characteristics:
CN1.1H-An	-1000 mV/ppm	4-pole plug	
CN1.1N-An	-100 mV/ppm		
CN1.1H-M0c	Modbus RTU	M12 male	
CN1.1H-M0c	Modbus RTU		

Subject to technical modifications and printing errors. Images may vary slightly from actual product.  
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**Spare parts:**

Spare part:	For sensor type:	Item number:
Membrane cap M48.2G	<b>CN1.1</b> (all types)	9026021
Electrolyte EMST1/GEL	<b>CN1.1</b> (all types)	9026053

**Accessories:**

Type:	For sensor type:	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	90231000