

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.

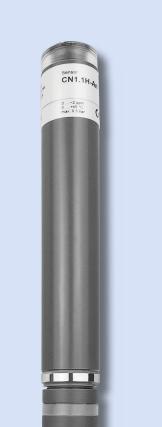
Scope of supply:

• 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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