

# **Specification Sheet**



## Chlorine Gas Sensor Cl2/S-200-S

Cl2 Gas Sensor in Slim Housing

## **Applications**

· Safety and Process Control

### **Measurement**

Operation Principle	3-Electrode Electrochemical	
Nominal Range	0 - 200 ppm	
Maximum Overload	400 ppm	
Inboard Filter	-	
Output Signal	- 140 ± 35 nA/ppm	
Resolution (Electronics dependent)	< 0.5 ppm	
T80 Response Time	< 60 s	
Typical Baseline Range (pure air, 20°C)	-0.3 ppm to 0.7 ppm	
Maximum Zero Shift (+20°C to +40°C)	0.5 ppm	
Repeatability	< 2 % of signal	
Output Linearity	Linear	
Gain (Only applies to 4-Electrode sensors)	-	

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Phone: +41 43 311 72 00
Fax: +41 43 311 72 01
E-Mail: info@membrapor.ch
Website: www.membrapor.ch

Membrapor AG Birkenweg 2 CH-8304 Wallisellen Switzerland

#### Performance data recorded at 20 - 25 °C, 30 - 50% RH, 900 - 1100 mbar



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#### **Electrical**

Rec. Load Resistor	10 - 33 Ω
Bias (V_Sens-V_Ref)	not recommended
Conformity to RoHS directive	RoHS Compliance

#### **Environmental**

Relative Humidity Range	15 % to 90 % RH non-condensing
Temperature Range	-40 °C to 50 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	N.D.
Humidity Effect	None

### **Lifetime**

Expected Operation Life	2 years in air
Expected Long Term Output Drift in air	< 2 % signal loss per month
Filter Life	
Storage Life	6 months in container
Rec. Storage Temperature	5°C - 20°C
Warranty Period	12 months from date of dispatch

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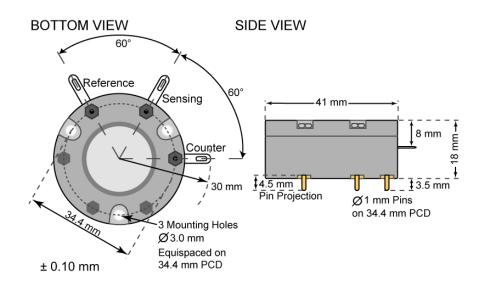


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## Chlorine Gas Sensor Cl2/S-200-S

#### Slim-Size Outline Dimensions



### **Mechanical**

Weight 27 g

Orientation Any

Housing material Polycarbonate

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### **Cross Sensitivity Data**

The table below does not claim to be complete. Interfering gases should not be used for calibration. Please contact Membrapor AG for further support regarding cross sensitivities.

Concentration [ppm]	Reading [ppm]
100	~ 25
100	0
10	~ 10
300	0
60	0
100	0
20	0
80	0
50	0
20	~ 20
20	~ 20
	100 100 10 300 60 100 20 80 50

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