

# DAVITEQ CHLORINE Cl2 GAS SENSOR, 20 PPM, SERI-4

## SENSOR SPECIFICATION

<b>MEASURING SPECIFICATION</b>	
Sensor type	Daviteq Seri-4 electrochemical gas sensor
Nominal range	0-20 ppm
Maximum overload	200 ppm
Resolution	0.01 ppm
T80 response time	< 60 s
Typical Baseline Range (pure air, 20°C)	-0.1 ppm .. +0.2 ppm
Repeatability	< 2% of reading or 0.05ppm whichever greater
Accuracy	+/- 5% of reading
Zero stability	0 .. 0.05 ppm in pure Air, 20oC
Temperature compensation	Yes
<b>WORKING CONDITIONS</b>	
Relative humidity range	15 % to 90 % RH non-condensing
Temperature range	-40 °C to 50 °C
Pressure range	Atmospheric ± 10%
Humidity effect	None
<b>SENSOR LIFETIME</b>	
Expected Operation Life	2 years in the air
Expected Long-Term Output Drift in air	< 2 % of reading loss per month

## CROSS SENSITIVITY DATA

The table below does not claim to be complete. Interfering gases should not be used for calibration.

<b>Interfering Gas</b>	<b>Concentration (ppm)</b>	<b>Reading (ppm)</b>
Br2	10	2.5
C2H4	100	0
CH2O	7	0
ClO2	3	~3
CO	300	0

Ethanol (C <sub>2</sub> H <sub>5</sub> OH)	60	0
F <sub>2</sub>	8	~8
H <sub>2</sub>	100	0
H <sub>2</sub> S	20	< -20
HCl	20	0
NH <sub>3</sub>	80	0
NO	50	0
NO <sub>2</sub>	20	~20
O <sub>3</sub>	1	~1
SO <sub>2</sub>	5	0

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