

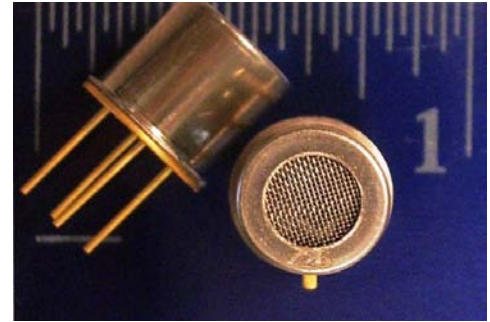


MikroKera 4L Chlorine (Cl₂) Sensor (P/N 726)

Synkera Technologies, Inc.
2605 Trade Centre Ave., Ste. C
Longmont, CO 80503

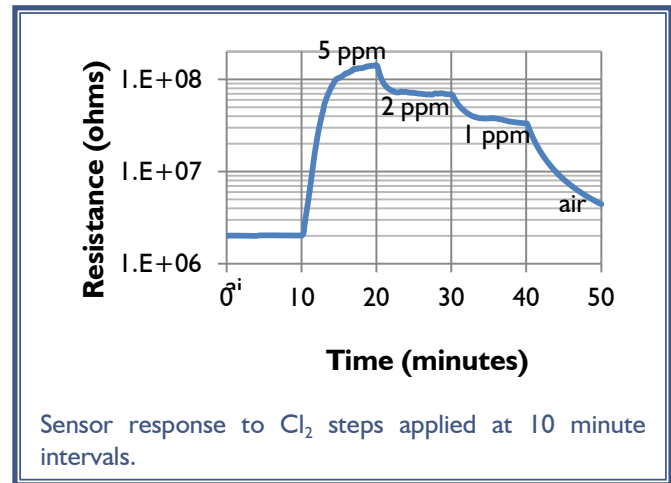
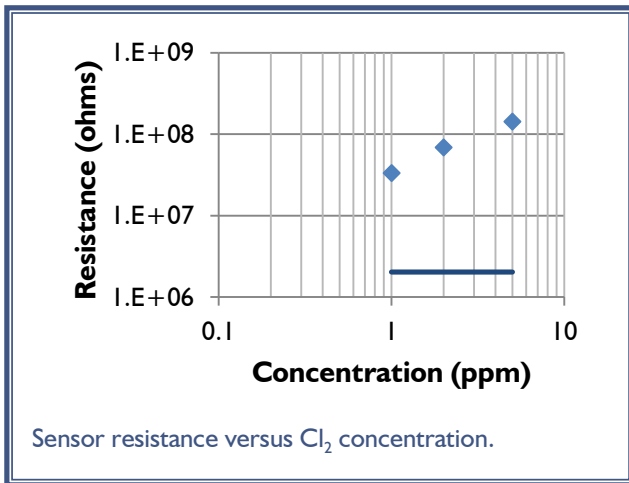
SENSOR FEATURES:

- Large response to chlorine
- Sub-ppm detection
- Low power
- Environmental temperature range of -20 to 50°C
- Thermistor heater allows active control of sensor temperature based on environmental temperature
- Environmental humidity range of 0 to 95% RH, non-condensing



SENSOR RESPONSE CHARACTERISTICS:

The information below represents typical behavior for sensors operated in clean, dry gas.



CROSS SENSITIVITY – PPM Cl₂ EQUIVALENTS

Vapor	ppm Cl ₂	Vapor	ppm Cl ₂
Methane – 1000 ppm	0	Sulfur Dioxide – 5 ppm	1
Methanol – 100 ppm	negative response	Carbon Monoxide - 100 ppm	negative response
Hydrogen Sulfide – 15 ppm	negative response	Nitrogen Dioxide – 5 ppm	response

ELECTRICAL CHARACTERISTICS:

The properties below are typical for MikroKera 4L Cl₂ Sensors.

PROPERTY	SYMBOL	VALUE	REMARKS
Heater Power Consumption	P _H	~ 65 mW	Continuous at V _H = 1.0
Heater Voltage	V _H	1.0 VDC	T _{sensor} ~ 135°C
Heater Resistance	R _H	10Ω ± 1.0 Ω	At room temperature
Sensing Voltage	V _C	2.0 VDC	Recommended
Resistance in Air	R _a	1 MΩ / 500 MΩ	Min/Max
Resistance in 1 ppm Cl ₂	R ₁	2.5 MΩ / 5000 MΩ	Min/Max
Sensitivity	R _a /R ₁	2	Min

*Note that all measurements were in dry gas, at room temperature.

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- For information on warranty, please refer to Synkera Technologies, Inc. Standard Terms and Conditions.
- Information on this data sheet represents typical values from a number of Synkera sensors. Actual values from sensor to sensor can vary slightly.