

## Zirkon® Gas ClO<sub>2</sub>

Kuntze Gas sensors are amperometric sensors for the detection of chlorine dioxide gas. The matching fitting Ne GSH allows for an easy installation of the gas sensor.

### Advantages

- > Short response times
- > High reliability
- > Simple start-up due to printed calibration value

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Artikelnummer: S29111011K

### Measurement Parameter

- > Chlorine Dioxide: 0.. 1 ppm\*
- \*Range of measurement device can deviate.

### Process Conditions

- > Response Time (T<sub>90</sub>): < 90 s
- > Temperature: -20.. +40 °C / -4..104 °F
- > Humidity: 15.. 90 % rH (non condensating)
- > Storage Life: 6 months in container at 4..10 °C / 39.2..50 °F
- > Influence of Humidity: No effect on the zero point
- > Air Pressure: 800-1200 hPa

### Cross Sensitivity Chlorine Dioxide sensor at 20 °C / 68 °F

Gas	Concentration	Value Read
Carbon Monoxide	100 ppm	0 ppm
Hydrogen	3000 ppm	0 ppm
Nitrogen Dioxide	10 ppm	6 ppm
Hydrogen Sulfide (H <sub>2</sub> S) *	20 ppm	ND
Isopropanol	600 ppm	0 ppm
Chlorine	1 ppm	0.6 ppm
Ozone	0.25 ppm	0.7 ppm

\* Contact with H<sub>2</sub>S poisons the sensor, subsequent contact with chlorine dioxide reactivates it.

The influencing factor can vary from sensor to sensor and over the life span of the individual sensor. No claim to completeness of the data, the sensors can potentially exhibit cross sensitivity to other gases.



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