

## Zirkon® Gas O<sub>3</sub>

Kuntze Gas sensors are amperometric sensors for the detection of Ozone 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

### Zirkon® Gas O<sub>3</sub>



Article No.: S29111002K

### Measurement Parameter

- > Ozone Gas: 0.. 1 ppm\*  
\*Range of measurement device can deviate.

### Process conditions

- > Response Time (T<sub>90</sub>): < 60 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 Ozone gas sensor at 20 °C / 68 °F

| Gas                                   | Concentration | Value Read |
|---------------------------------------|---------------|------------|
| Carbon Monoxide                       | 100 ppm       | 0 ppm      |
| Chlorine Dioxide                      | 1 ppm         | 1.5 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         | 1.2 ppm    |

\* Contact with H<sub>2</sub>S poisons the sensor, subsequent contact with ozone 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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