

Zirkon® Gas O₃

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 O₃



Article No.: S29111002K

Measurement Parameter

- > Ozone Gas: 0.. 1 ppm*
*Range of measurement device can deviate.
- > Baseline: ≤ 0.04 ppm

Process conditions

- > Response Time (T₉₀): < 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 ₂ S) *	20 ppm	ND
Isopropanol	600 ppm	0 ppm
Chlorine	1 ppm	1.2 ppm

* Contact with H₂S 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.



Kuntze Instruments GmbH

Robert-Bosch-Str. 7a
40688 Meerbusch
Germany

+49 2150 70660
info@kuntze.com
www.kuntze.com