

Gas sensor



Gas sensor design may vary

Gas sensor with zirconium measuring cell for oxygen

GSZ 300

Application

Monitoring of air for oxygen deficiency or excess

Advantages

Very high stability, long service life

Linear output signal

Technical Data

Suitability	dusty, dirty areas, laboratories, AirConditioning
Unsuitable:	environments with very high carbon dioxide content or presence of corrosive gases
Measuring principle	Zirconium oxide
Type of gas	Oxygen
Measuring range	0 - 25 Vol%, 0..100 Vol%, depending on the type of construction
Measuring accuracy	< +/- 1% of measuring range
Lead time	< 4 minutes
Response timeT90	< 40 sec
Temperature range	-30 to +50°C (environment)
Humidity range	0 - 95% relative humidity
Pressure range	700-1300 hPa
Housing	aluminum, WxDxH: 160x80x60mm
Protection class	IP54 or IP65
Gas inlet	Diffusion, sintered filter
Output signal	4-20mA, linear
Max. load	500 R
Service life	>30.000 operating hours
Shelf life	> 2 years
CE-Conformity	Distribution: living area: immunity: industrial area
Weight	730g
Power supply	24 V (24 V.AC or 24V.DC)
Power consumption	4 W
Connection cable	E.g. up to 400 m: JY (ST) Y 2x2x0.8 mm ² , (power supply >24V), from 400 m: 4x1.5 mm ² , insulated

Gases		Gas sensor for
OXYGEN	O ₂	oxygen 0.. 25 Vol%
OXYGEN	O ₂	oxygen 0..100 Vol%

Other gases and measuring ranges are available upon request • Operating approvals according to ATEX or SIL are available upon request