

Gas sensor



Gas sensor design may vary

Gas sensor with semiconductor sensor in a metal housing

GSH 200

Gas sensor with semiconductor sensor

Application

Monitoring of the air for flammable or toxic gas concentrations

Advantages

Electromagnetic, mechanical encapsulated and dust-proof, anti-inflammatory sintered metal enclosure of the sensor.

Notes

Non-linearized output signal

Technical Data

Suitability	dusty, dirty areas
Location of installation	floor, wall, ceiling, depending on the type of gas
Housing	aluminum, LxWxD: 90x80x80 mm,
Protection class	IP44, IP65
Gas inlet	diffusion, sintered filter
Output signal	4-20mA, alarm point curve
Power supply	24 Volt (24 V.AC or 24V.DC)
Connection cable	e.g. up to 600m: JY (St) Y 2x2x0.8 mm ² , from 600m: 4x1.5 mm ² , insulated

Gases		Gas sensor for
Acetone	C ₃ H ₆ O	0-100%LEL
Acetylene	C ₂ H ₂	0-100%LEL
Ammonia	NH ₃	0-1500 ppm
Gasoline		0-100%LEL
Butane	C ₄ H ₁₀	0-100%LEL
Dibutyl ether	C ₈ H ₁₈ O	
Ethane	C ₂ H ₆	0-100%LEL
Ethanol	C ₂ H ₆ O	0-100%LEL
Ethyl benzene	C ₈ H ₁₀	0-100%LEL
Ethylene	C ₂ H ₄	0-100%LEL
Formaldehyde	CH ₂ O	0-2000 ppm
Heptane	C ₇ H ₁₆	0-100%LEL
Hexane	C ₆ H ₁₄	0-100%LEL
Isopropanol	C ₃ H ₈ O	0-100%LEL
Air quality I	VOC	0-1000 ppm
Methane/natural gas	CH ₄	0-100%LEL
Methanol	CH ₄ O	0-100%LEL
Methyl-ethyl-ketone	C ₄ H ₈ O	0-100%LEL
Nonane	C ₉ H ₂₀	0-100%LEL
Propane	C ₃ H ₈	0-100%LEL

Gases		Gas sensor for
Styrene	C ₈ H ₈	0-100%LEL
R11	Refrigerant	0-2000 ppm
R 12	Refrigerant	0-2000 ppm
R 22	Refrigerant	0-2000 ppm
R 23	Refrigerant	0-2000 ppm
R 32	Refrigerant	0-2000 ppm
R 123	Refrigerant	0-2000 ppm
R 134a	Refrigerant	0-2000 ppm
R 143	Refrigerant	0-2000 ppm
R 152a	Refrigerant	0-2000 ppm
R 245	Refrigerant	0-2000 ppm
R404a	Refrigerant	0-2000 ppm
R407c	Refrigerant	0-2000 ppm
R 410a	Refrigerant	0-2000 ppm
R 417a	Refrigerant	0-2000 ppm
R 507a	Refrigerant	0-2000 ppm
R 507c	Refrigerant	0-2000 ppm
Tetrahydrofurane	C ₄ H ₈ O	0-100%LEL
Toluene		0-100%LEL
Hydrogen	H ₂	0-100%LEL

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