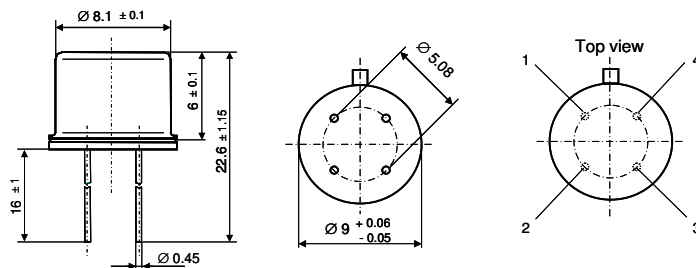


Technical Data

Gas sensor	GG5: Single sensor
Type of sensor	10: Sensor for the detection of air contents materials in the trace range - suitable for the fixed monitoring of the air quality
Chip	3: Size = (3.0 x 3.0) mm ²
Heater resistance at 0 °C	3: R _{H0} = (10.0 ± 0.5) Ω
Class of accuracy	0: R _{S0} = ± 75 %, R _S /R _{S0} = ± 30 %
Housing	T: Sensor in a TO39-housing with a stainless steel cap

Dimensions



Pin assignment

Pin 1, 4 ... Heater; Pin 2, 3 ... Sensitive layer

Operating parameters

Temperature T_H = (350 ± 15) °C
 Heater resistance R_H = (23.0 ± 1.2) Ω
 Power rating P_H ≈ 625 mW (Heater voltage U_{Hstat} = 3.8 V)

Sensor parameters

Basic resistance R_{S0} = (50 ± 35) kΩ

Measurement voltage

U_S < 100mV

Conformity

2002/95/EC Restriction of the use of Hazardous Substances Directive (RoHS)

Remark

Siliceous or sulphurous substances and non desorbing an-organic contaminations may cause changes of the sensor resistance R_{S0} and/or changes of the sensor characteristics.

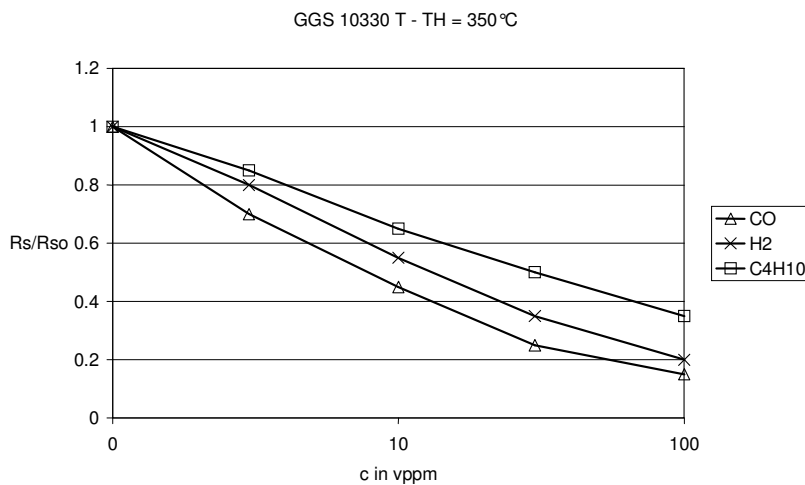


Figure 1: Relative resistance change on impact of CO, H₂ and C₄H₁₀

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