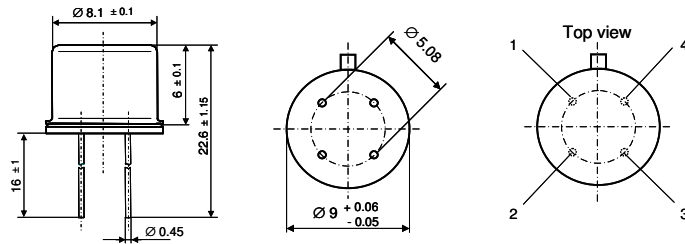


## Technical Data

<b>Gas sensor</b>	<b>GG5:</b> Single sensor
<b>Type of sensor</b>	<b>7:</b> Sensor for the detection of NO <sub>2</sub>
<b>Chip</b>	<b>3:</b> Size = (3.0 x 3.0) mm <sup>2</sup>
<b>Heater resistance at 0 °C</b>	<b>3:</b> R <sub>H0</sub> = (10.0 ± 0.5) Ω
<b>Class of accuracy</b>	<b>0:</b> R <sub>S0</sub> = ± 75 %, R <sub>S</sub> /R <sub>S0</sub> = ± 30 %
<b>Housing</b>	<b>T:</b> Sensor in a TO39-housing with a stainless steel cap
<b>Dimensions</b>	



<b>Pin assignment</b>	Pin 1, 4 ... Heater; Pin 2, 3 ... Sensitive layer
<b>Operating parameters</b>	Temperature T <sub>H</sub> = (200 ± 15) °C Heater resistance R <sub>H</sub> = (17.6 ± 0.9) Ω Power rating P <sub>H</sub> ≈ 300 mW (Heater voltage U <sub>Hstat</sub> = 2.3 V)
<b>Sensor parameters</b>	Basic resistance R <sub>S0</sub> = (20 ± 15) kΩ Measurement voltage U <sub>S</sub> < 250 mV
<b>Conformity</b>	2002/95/EC Restriction of the use of Hazardous Substances Directive (RoHS)

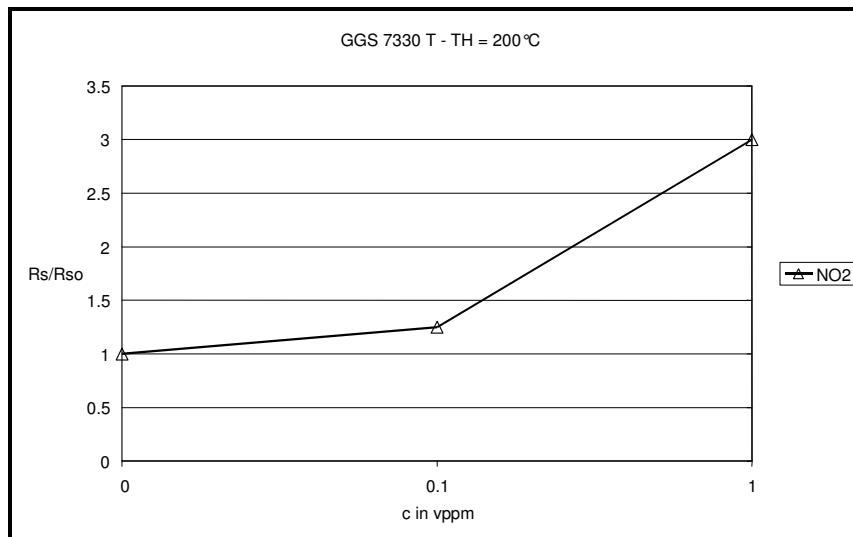


Figure 1: Sensitivity characteristics to impact at NO<sub>2</sub>

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