



AIR QUALITY SENSOR SAAQ SERIES

Automotive Sensor Solutions for Increased Well-Being and Energy Efficiency

For Reliable Control of Fresh Air Intake

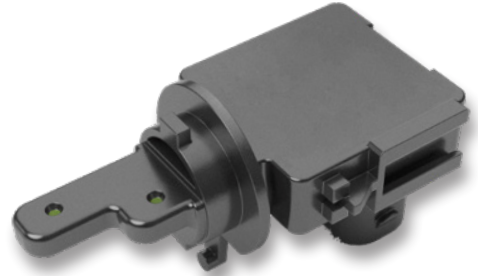
- Siloxane resistant long term stability
- Features Sensirion's new generation multi-pixel gas sensor
- Air quality information for passengers available

SAAQ4

SENSIRION AUTOMOTIVE AIR QUALITY SENSOR

FEATURES

- Future-proof, extensible multi-pixel technology
- Overheating protection above 65 °C
- Option: Additional relative humidity sensor to measure dew point of outdoor air to enable higher energy efficiency of the HVAC



APPLICATIONS

VALUE TO THE CUSTOMER

- Detection of traffic related pollutants (CO + H₂ and NO₂) with multi-pixel gas sensor
- Output signal with 10 air quality levels based on a realistic logarithmic scale
- Reliable signal for the air-intake flap and passenger information in the HMI
- Siloxane resistant long-term stability to guarantee vehicle lifetime functionality

SPECIFICATIONS

SAAQ4 Sensor Specifications	
CO + H ₂ detection	LOD: 1+1 ppm
NO ₂ detection	LOD: 50 ppb
Operating temperature	-40 – 85 °C Overheating protection > 65 °C
Electrical interface	LIN 2.2, 19.2 kbd
Supply current	Typ. 10 mA
Supply voltage	9 – 16 V
Mech. dimensions	62 mm × 26 mm × 33 mm
Weight	< 20 g