



CLIMATE SEAT SENSOR SACS SERIES

Automotive sensor solutions for increased well-being and energy efficiency

For automatic control of climate seat

- Measure humidity and temperature close to the passenger
- Integration in seat back and cushion directly under the seat cover material
- Compact yet robust design – you don't feel it when you sit on it

SACS3

SENSIRION AUTOMOTIVE CLIMATE SEAT SENSOR

FEATURES

- Automotive-grade digital calibrated RH/T sensor
- Smart 3-wire interface for easy integration into seat cable harness
- 15kV ESD protection for carefree handling in the production line

APPLICATIONS

VALUE TO THE CUSTOMER

- Regulate climate seat to proactively maintain comfort level
- Increase safety by reducing interaction with climate seat settings
- Optimized control of seat ventilation allows reduced HVAC load, saving energy



SPECIFICATIONS

| SACS Series Specifications | |
|----------------------------|--|
| Relative humidity | Range 0 - 100 % Accuracy $\pm 3\%$ (10 - 60°C air temp. / 10 - 80 % RH) Response time < 10 sec |
| Temperature | Range -40 - 90°C Accuracy $\pm 0.4^\circ\text{C}$ (10 - 70°C air temp.) |
| Dimensions | 19.5 mm \times 11.5 mm \times 2.6 mm |
| Weight | < 6 g |
| IP rating | IP5K2 |
| Supply voltage | 4.5 - 5.5V |
| Wire assignment | Ground, output (MSPPM* signal), power supply |

* Multi-signal pulse-position modulation