



CABIN AIR TEMPERATURE SENSOR SACT SERIES

Automotive Sensor Solutions for Increased Well-Being and Energy Efficiency

For Precise Control of Cabin Air Temperature

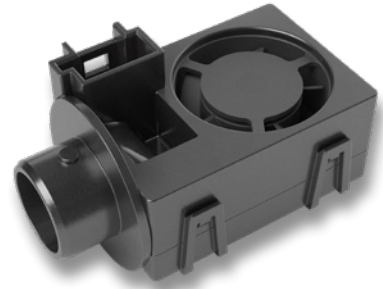
- Direct measurement of accurate cabin temperature with fast response and feedback to HVAC control
- Sensirion new design of small form factor for flexible integration and low noise devices
- Different interfaces available, added relative humidity sensors optional

SACT

SENSIRION AUTOMOTIVE CABIN AIR TEMPERATURE SENSOR

FEATURES

- Accurate temperature output
- Low noise with fan solution, 22 dB/A
- LIN or analog interface available
- RoHS and REACH compliant
- Option to add relative humidity or air quality sensor



APPLICATIONS

VALUE TO THE CUSTOMER

- Fast and accurate measurements of the cabin air temperature enable the HVAC controller to reach the desired set point fast and efficiently

SPECIFICATIONS

SACT Series Specifications	
Accuracy	0.5 °C at 25 °C
Operating temperature range	-40 to +85 °C
Storage temperature range	-40 to +85 °C
Supply voltage	9 – 16V
Response time	10 seconds
Noise	22 dB/A
Electrical interface*	Analog or LIN 2.2
Mech. dimensions	31 mm × 31 mm × 52 mm
Weight	< 25 g

* LIN interface is available on demands.