DEW POINT SENSOR
SADP SERIES

Automotive Sensor Solutions for Increased Well-Being and Energy Efficiency

For Energy Efficient Generation of Decent In-Cabin Climate

- Accurate measurement of dew point temperature
- Higher energy efficiency by improved HVAC evaporator control
- Avoid low humidity in the cabin to increase passengers' comfort

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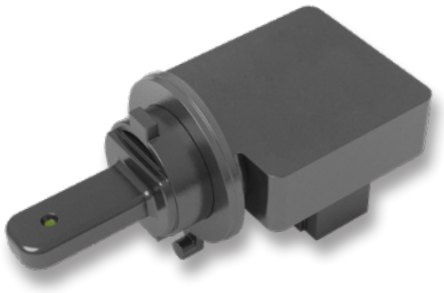
SENSIRION
AUTOMOTIVE SOLUTIONS

SADP3

SENSIRION AUTOMOTIVE DEW POINT SENSOR

FEATURES



- Fast response time due to small dead volume surrounding the sensing element
- Easy mounting with bayonet or Delphi clip
- Automotive grade connector, customer specific solutions
- Hotmelt encapsulation and watertight measurement tip (IP6K4)

APPLICATIONS

VALUE TO THE CUSTOMER

- Sensor is integrated in the air channel of the HVAC system and provides reliable information about the dew point temperature
- Improved in-cabin climate as air at decent humidity level can be generated
- Increased HVAC energy efficiency, as dew point signal can be used to cool down the evaporator

SPECIFICATIONS

SADP3 Sensor Specifications	
Relative humidity	Range 0 – 100 % Accuracy ±3 % (10 – 60°C air temp. / 10 – 100 % RH) Response time < 10sec (0 – 60°C air temp.)
Temperature	Range –40 – 85°C Accuracy ±1.0°C
Dew point temperature	Range 0 – 100 % ±2.0 °C (10 – 60 °C air temp. / 30 – 100 % RH)
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	15 g