

# Sensors

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A complete range of solutions

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## Temperature & Humidity

- Complete range of probes for the measurement of temperature and humidity
- Duct, wall or industrial installations
- Wide range of measurement

## Pressure

- Industrial mounting
- High precision
- Measurement range can be selected by the user
- Output calibration

## Air Quality

- High quality probe for the CO<sub>2</sub> measurement
- Duct, wall installations
- Range 0-2000 ppm

## Air Speed

- Duct Installation
- Accurate measurement dedicated to the air flow rate calculation
- Selectable measurement range

# Sensors

## Temperature & humidity probes



### Standard

**Version:** Duct, OEM's and industrial  
**Output:** 4÷20mA  
**Range:** -40T60°C o -5T55°C  
10÷90%RH  
**Protection:** IP65  
**Connection :** 2 wires  
**Supply:** 11÷35VDC

Sensor tested according to automotive standard **AEC-Q200**

With inspection certificate according to **DIN EN10204 - 3.1**



### Wall

**Version:** Wall  
**Output:** 4÷20mA  
**Range:** -5T55°C  
10÷95%RH  
**Protection :** IP30 with optional display  
**Connection:** 2 wires  
**Supply:** 10÷28VDC

With inspection certificate according to **DIN EN10204 - 2.2**



### Stem

**Version:** Stem with cable  
**Output:** NTC 10K @25°C temperature  
4÷20mA humidity  
**Range:** -50T110°C  
0÷100%RH  
**Protection:** IP65  
**Connection:** 3mt wire  
**Supply:** 9÷28VDC

# Sensors

## Pressure probes & switches



### Pressure transducers

<b>Version:</b>	Industrial Mounting
<b>Output:</b>	4÷20mA
<b>Range:</b>	Selectable
<b>Protection:</b>	IP54
<b>Connection:</b>	2 wires / 2m PVC tube
<b>Supply:</b>	8÷33VDC

### Pressure Switch

<b>Version:</b>	Industrial Mounting
<b>Output:</b>	Digital contact NC o NO Selectable switch point
<b>Protection:</b>	IP54 2m PVC tube and mounting kit
<b>Connection:</b>	2 wires
<b>Switch:</b>	5A (250VAC) resistive load or 4A (30VDC) resistive

# Sensors

## Air quality probes



### Measurement of CO<sub>2</sub> concentration

Version:	Duct or wall
Output:	4÷20mA
Range:	0-2000 ppm
Protect	Selectable IP30
Connection:	4 wires
Supply:	24VAC/DC

## Benefits

Check on air quality status

Air quality probe management already integrated on the AHU application

Air quality probes to reduce energy consumption maintaining an high comfort

With inspection certificate according to DIN EN10204 - 2.2

# Sensors

## Air speed probes



### Air Speed Probe

<b>Version:</b>	Duct mounting
<b>Output:</b>	4÷20mA
<b>Range:</b>	Selectable (max 20m/s)
<b>Protection:</b>	IP65
<b>Connection:</b>	3 wires
<b>Supply:</b>	24VAC/DC

### Benefits

The air speed probe can be used instead of the pressure transducer to calculate the air flow rate

The air speed probe can be used when fans can not mount pressure pipes with a transducer

Calculation with the air speed value integrated on the application

With inspection certificate according to DIN EN10204 - 2.2