



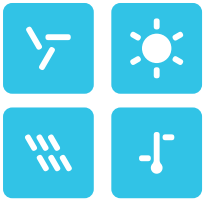
PERFACTORY®
Sensorsystems

Data Sheet
Room Sensor Systems



Modular sensor building blocks

The multi-sensor by Perfactory Sensorsystems



The modular sensor building blocks offer the individual configuration of your air quality sensor. You decide where the sensor is used, which measurement parameters are relevant for you and how the sensor connects with its environment.

Messparameter



VOC sensor
the electronic sense of smell



Humidity sensor
the optimal air humidity



Flow sensor
the air flow monitor



Temperature sensor
heat & cooling as you need it



Lightness sensor
for the best room lighting



Pressure sensor
records room & system pressure

Designs



VoCup
flush-mounted casing



VoCap
wall-mounted casing



VoCan
duct sensor

Order



Determine measuring parameters

Select the desired measuring parameters from the sensor building blocks.



Choose the design

Specify the housing for the requirements.



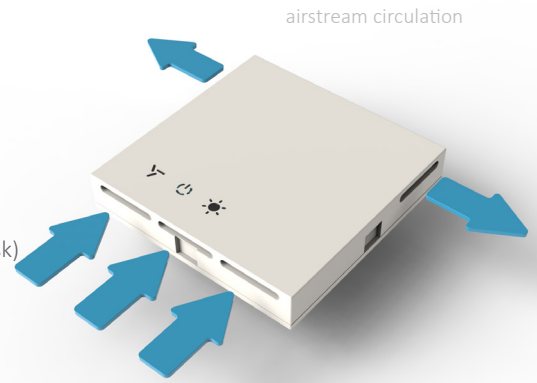
Order

Order the configured product.

Technical Data

Electronics

Supply voltage	12...24 VAC or 12...36 VDC
Power consumption	max 14mA @ 24 VDC
Output signal	0- 10 VDC (additional ones in preparation- please ask)
Area of application	0...50 °C, 5...95 % r.F. ((without thawing)
Signal light (VOC)	
LED indicating range	blue > purple > red (good > middle > bad iAQ) iAQ = indor air quality
Option Relais	
Schaltung nach max. 2 Parametern	max 0,5A 36VAC/VDC



Measurement parameters



VOC sensor

Metal oxide sensor with automatic calibration
Measuring range 450...2.000 ppm CO₂ equivalent
Heating-up time 2 min



Lightness sensor

lightness range
3...20.000 lux, +/- 1 lux



Temperature sensor

temperature range
-20...80 °C, +/-0,5 °C @ 25 °C
Option of passive temperature sensor



Flow sensor

air flow range
0...20 m/s, +/- 0,3 m/s @ 25 °C



Humidity sensor

humidity range
0...95% r.F. +/-2 % r.F. @ 25 °C



Pressure sensor

pressure range
300...1.100 hPa, +/- 0,12 hPa @ 25 °C

Designs



VoCup

flush-mounted casing

Dimensions 55 x 55 x ca. 10 (W x H x D mm)
Wall installation in connector sockets with Ø 60 mm
Connections Wago plug connector
Housing colour Pure white plastic, or special colours



VoCap

wall-mounted casing

Dimensions 80 x 80 x ca. 25 (W x H x D mm)
Connections Screw-in plug connector
Housing colour Pure white plastic, matt



VoCan

duct sensor

Dimensions 80 x 80 x ca. 25 (W x H x D mm)
Sensor pipe length approx. 140 mm, can be longer
Connections Connecting cable or plug adapter
Housing colour Pure white plastic, matt



We make air quality measurable

„Perfactory Sensorsystems produce high-quality sensor products for ventilation systems which are unrivalled in terms of the performance and design“



Contact

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