

DATA SHEET



VOC-probe for a comfortable indoor climate

Description



Features

- Measuring range 450 - 2000 ppm, VOC/CO₂ equivalent
- Measuring of air quality, humidity and temperature
- Displays VOC-Concentration (traffic lights)
- 3 Outputs 0...10 V for VOC, temperature and relative humidity
- Easy retrofit of unregulated ventilation systems possible
- In wall housing

Areas of application

- Class rooms
- Offices
- Hotel rooms
- Lecture halls
- Meeting rooms
- Living areas
- Business spaces
- Gyms
- Building automation
- Climate recording

Technical data

Air quality	
Measuring range	450...2000 ppm, VOC/CO ₂ equivalent
Accuracy	±100 ppm
Output scale	450...2000 ppm at 0...10 V
Air humidity	
Measuring range	0...100% RH
Accuracy	±2% RH
Output scale	0...100% RH at 0...10 V
Ambient temperature	
Measuring range	0...50 °C
Accuracy	±0,3 °C
Output scale	0...50 °C at 0...10 V
General	
Display	3 LEDs
Relay	250 VAC 8 A
Switching threshold relay	1200 ppm
Voltage supply	14...27 VDC
Power consumption	70 mA at 24 VDC
Dimensions	(LxWxH) 70x70x27 mm
Housing	Plastic wall housing (ABS)
Mounting style	Wall mounting
Ingress protection	IP20
Connecting type	Screw terminals

General description

This high-power sensor shows exactly when it's time to ventilate your living space or business premises.

Installed in a wall housing it measures the air quality (VOC = Volatile organic compounds are human-made and naturally occurring chemical compounds like hydrocarbon, alcohols, aldehyds and organic acids), humidity and temperature. The measured value is displayed by LEDs.

LED-display (traffic lights)

The sensor has 3 LEDs (green, yellow and red) with those the current VOC-content is displayed.

Green: < 800 ppm

Yellow: 800...1200 ppm

Red: > 1200 ppm

Ordering numbers

VOC-/humidity-/temperature probe with relay	0565 0003 (available from summer 2015)
VOC-probe with LED-Display of VOC-content	0565 0004

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Drilling template

