

## MODBUS SENSORS

### Air quality sensors GS 40.00 mod



#### Overview

- Detection of air quality (CO<sub>2</sub>-concentration, rel. humidity, temperature)
- CO<sub>2</sub>-sensor (Measuring range 390–10.000 ppm)
- CO<sub>2</sub>-value is atmospheric pressure compensated
- Sensors for CO<sub>2</sub>-, temperature, humidity and atmospheric pressure measurement
- Temperature sensor (Measuring range 0° ...+50°C)
- Humidity sensor (Measuring range 0...100% rel. humidity)
- Modbus-Modes (ASCII / RTU) configurable
- Easy installation and mounting
- Modern and planar design

#### NEW:

- 3 control outputs (0-10 V) for measured values of CO<sub>2</sub> concentration, rel. humidity and temperature

#### Order numbers

■ müller

GS 40.00 mod

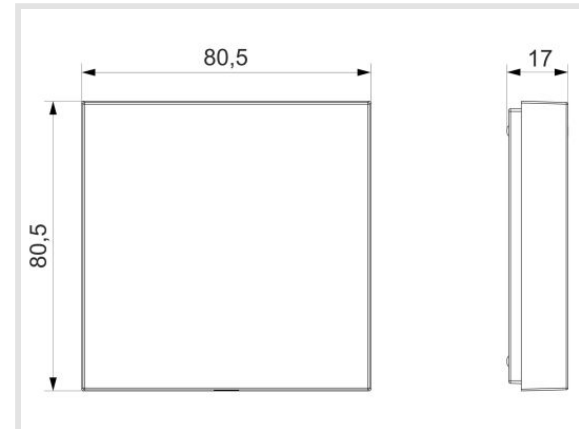
CO<sub>2</sub>- / air quality sensor

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### Technical data

Supply voltage	12-40 V DC
Bus current	<20 mA
Bus system	Modbus ASCII, Modbus RTU via RS 485
Baud rates	4800, 9600, 19200 (Default), 38400
Parity settings available	None, even, odd
Sensors	CO <sub>2</sub> Temperature Relative humidity Atmospheric pressure Dew point
Measuring range CO <sub>2</sub> -concentration	390-10.000 ppm
Measuring range temperature	0°...+50° C
Measuring range relative humidity	0...100%
Measuring range atmospheric pressure	300-1.100 hPa
Outputs	3x analogue outputs ( 0-10V )
Analogue measurement output	Temperature: 0-50°C Relative humidity: 0-100% Carbon dioxid CO <sub>2</sub> : 500 – 2000 ppm
Permitted ambient temperature	0°...+50° C
Housing	self-extinguishing thermoplastic
Housing color	studio white (similar to RAL 9016) Specific colors on request
Mounting	Wall mounting (preferably combined with hollow-wall box)
Type of connection	PCB push-in terminal block
Type of protection	IP 20 (DIN EN 60529)
Class of protection	III when installed according to regulations



### Functions and data provided to Modbus:

CO <sub>2</sub>	Value output
Relative humidity	Value output
Temperature	Value output
Dewpoint	Value output
Air pressure	Value output
and much more...	

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