

# Carbon Monoxide (CO)

Part number.: SM-COM / SM-COH

**smartGAS**  
MIKROSENSORIK



- › Gas sensor with infrared detection technology (NDIR)
- › Dual Beam
- › Highly reliable
- › CO monitoring
- › Settable alarm thresholds
- › Bus-capable (modbus-protocol)
- › Lifetime > 10 Years

## Technical data:

### General features

Gas detected:	NDIR (Dual Beam)
Detection principle:	0 to 10 Vol.-% (SM-COH)
Detection range:	0 to 20000 ppm (SM-COM)
Accuracy:	+ 1 % of range (0 – 10 Vol.-%)* + 300 ppm (0 – 20000 ppm)* - 10°C to 50°C
Operating temperature:	800 hPa to 1100 hPa
Pressure:	0% to 95% rel. humidity
Humidity:	< 2 Min.
Warm up time:	< 25 s Diffusion
Response time: Carbon Monoxide CO	< 5 s Flow

### Electrical data

Operating voltage:	70mA (switch on current approx. 1 40mA)
Drive current:	2 Signal outputs (Open collector)
Outputs: 5,0 V DC +/- 5 %	Modbus Open Protocol

### Mechanical data

Dimensions L x W x H	62 mm x 37 mm x 30 mm
Storage temperature	-25 to 60°C

\*depending on the version