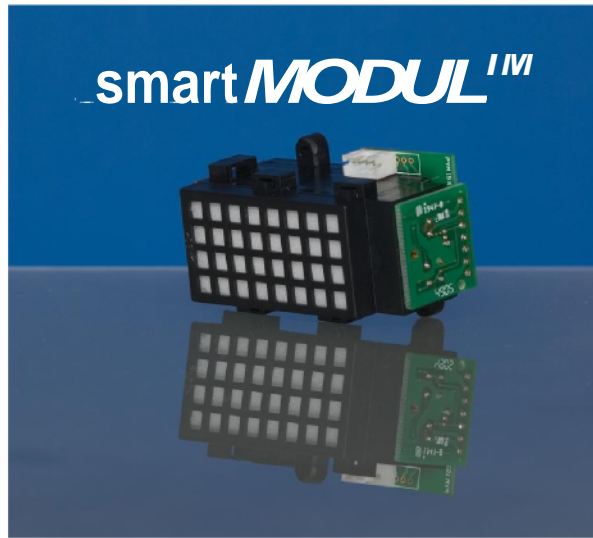


# Carbon Dioxide (CO<sub>2</sub>)

Part number.: SM-CD T / M / H / X



- › Gas sensor with infrared detection technology (NDIR)
- › Dual Beam
- › Highly reliable
- › CO<sub>2</sub> monitoring
- › Settable alarm thresholds
- › Bus-capable (modbus-protocol)
- › Lifetime > 10 Years

## Technical data:

### General features

Gas detected:	NDIR (Dual Beam)
Detection principle:	0 to 5000 ppm (SM-CDT) 0 to 2 Vol.-% (SM-CDM) 0 to 20 Vol.-% (SM-CDH) 0 to 100 Vol.-% (SM-CDX) <b>NEW!</b>
Detection range:	
Accuracy:	+ 1 % of range * settable
Thresholds:	-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 Dioxide CO <sub>2</sub>	< 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