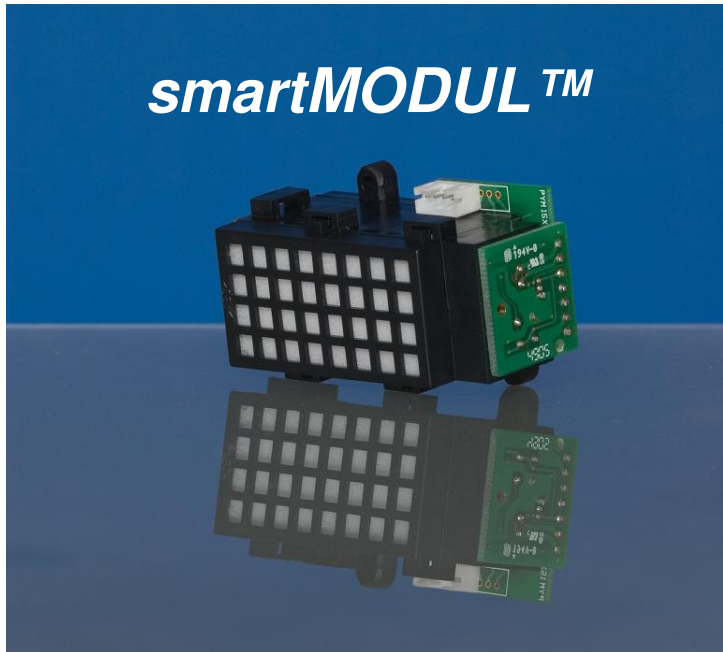


Methane (CH₄)

Part number.: SM-MAL / SM-MAX



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

Technical Data

Gas detected:	Methane CH ₄
Detection principle:	NDIR (Dual Beam)
Detection range:	0 to 100 % LEL (SM-MAL) 0 to 100 Vol.-% (SM-MAX) NEW!
Accuracy:	+ 1 % of range *
Pre alarm:	7 % LEL (settable)
Main alarm:	14 % LEL (settable)
Operating temperature:	-10°C to 50°C
Pressure:	800 hPa to 1100 hPa
Humidity:	0% to 95% rel. humidity
Warm up time:	< 2 Min.
Response time:	< 25 s Diffusion < 5 s Flow

Electrical Data

Operating voltage:	5.0 V DC +/- 5 %
Drive current:	70mA (switch on current approx. 140mA)
Outputs:	2 Signal outputs (Open collector) 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