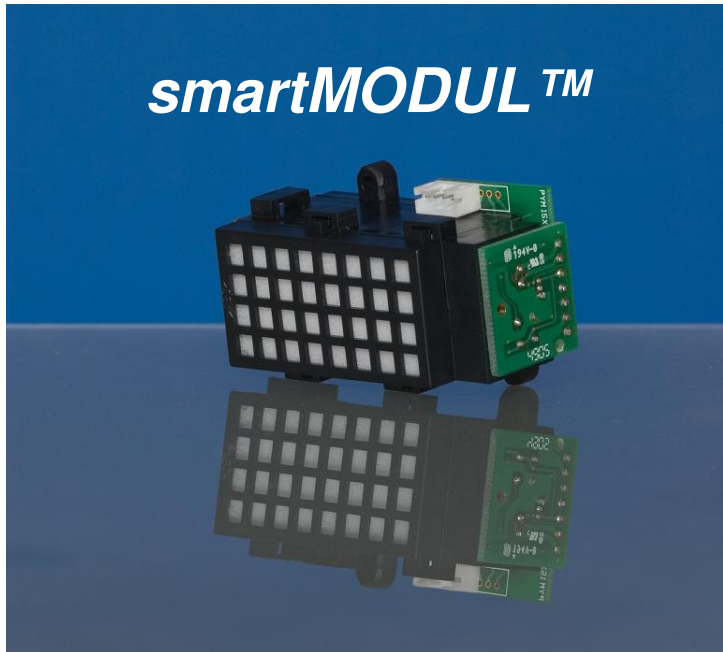


Acetylene (C₂H₂)

Part number.: SM-AYL



- **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:	Acetylene C ₂ H ₂
Detection principle:	NDIR (Dual Beam)
Detection range:	0 to 100 % LEL (SM-EAL)
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