



Gas sensor KSIM 1100 Ex

for detection of CH₃OH



Features

- The gas detector measures the selected gas concentration
- The gas detector is part of the digital KIMESSA CANline BUS-Network which is designed for up to 128 gas detectors and alarming units
- linearized and temperature-compensated digital CANline-BUS output signal
- 16...30 VDC supply voltage (4-wire cable)
- various gas sensor technologies available (electrochemical, Infrared, pellistor, semiconductor)
- factory calibration with calibration certificate to the specified measuring range
- Zero & Span potentiometers and calibration jack socket accessible from outside without opening the gas detector enclosure
- water- and dust-proof IP 65 enclosure
- rust-proof and acid-resistant steel enclosure
- ATEX-Approval: Ex dc nA IIC T4 Gc (Zone 2)
- Swiss-Made

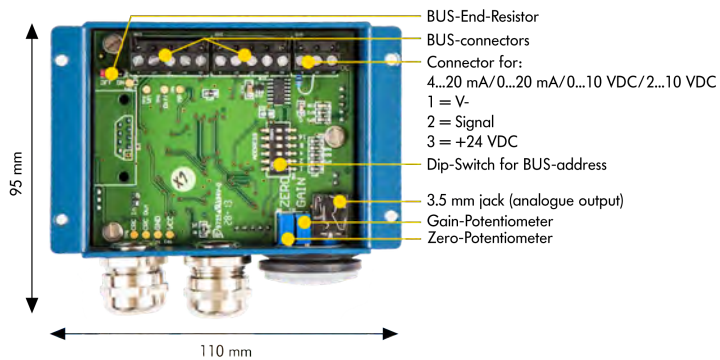
Gas sensor KSIM 1100 Ex

Gas: Hydro Carbon
 Gas formula: HC
 Warranty: 12 month warranty
 Position:

Sensor specifications

Measurement principle: Infrared
 Measuring range: 0...5000 ppm/ 0...100 % LEL
 Standard calibration: 0...100 % UEG
 Response time t 90: < 90 sec
 Operating temperature: -30 °C ... +50 °C
 Start up after reconditioning: approx. 1 hour
 Pressure range: atmospheric ± 10%
 Air humidity: 15...90 % R.H. non-condensing
 Position sensitivity: none
 Long term output drift: < 2% signal loss/month
 Life span at 20 °C: 6-8 years, depending on the application

Electronic and Dimensions



Housing

Housing protection: IP 65
 Material: rust-proof and acid-resistant
 Weight: 550 g

Specifications electronic

Wiring analogue: 3x 0,75 mm², shielded
 Wiring digital: 4x 1,0 mm², shielded
 Supply: 16.5...30 VDC
 Power consumption: max. 80 mA
 Output signal analogue: 4...20 mA / 0...20 mA
 Output signal digital: KIMESSA CANBUS
 Switching output: no

Specifications construction

Cable gland: 1x M16 (digital 2x M16)
 Cable entry: bottom
 Tests: CE / II 3G Ex nA IIC T6
 Display: no
 Position: position independent

Inspection (Maintenance)

The sensor and the electronic require an inspection. Routine calibration is recommended once or twice a year.

