



## Gas sensor KSIM 2270

for detection of Ethene C<sub>2</sub>H<sub>4</sub>



### Features

The gas detector KSIM 2530 is used for detecting refrigerant gases. The selected gas is measured in ppm.

The gas detector is designed for KIMESSA-CANline BUS SYSTEM or other BMS or other controllers with 4 ... 20 mA inputs.

Optionally a Modbus output signal is possible.

Linearized and temperature-compensated output signal.

Factory calibration with certificate of the specific gas.

Zero and Span calibration with magnet pen.

Water resistant and dust proof IP 65

Corrosion proof and acid resistant stainless steel case.

**Gas sensor KSIM 2270**

Gas: Ethene  
 Gas formula: C<sub>2</sub>H<sub>4</sub>

**Detector specifications**

Measurement principle: Infrared  
 Measuring range: 0...5000ppm  
 Standard calibration: 0...5000 ppm  
 Response time t<sub>90</sub>: < 90 sec  
 Operating temperature: 0 °C ... +40 °C  
 Start up after reconditioning: app. 1 hour  
 Pressure range: atmospheric ± 10%  
 Air humidity: 15...90 % R.H. non-condensing  
  
 Position sensitivity: none  
 Long term output drift: <10% signal loss/year  
  
 Life span at 20 °C: 6-8 years, depending on the application

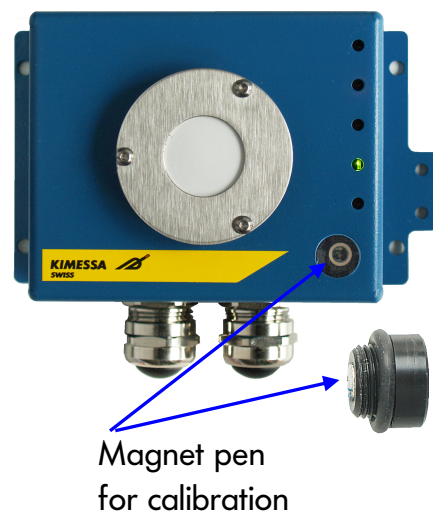
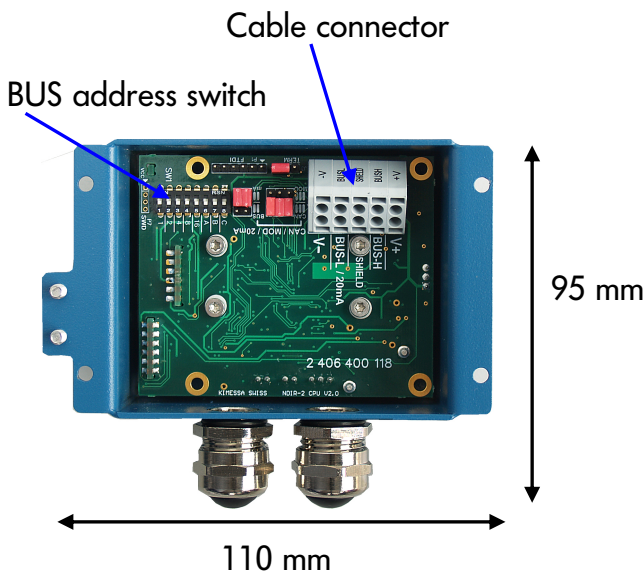
**Housing**

Case protection: IP 65  
 Material: 1.4301  
 Weight: 550 g

**Conection specifications**

Wiring analogue: 3x 0,75 mm<sup>2</sup>  
 Wiring digital: 4x 1 mm<sup>2</sup>  
 Supply: 17...30 VDC  
 Power consumption: start up at 110 mA  
 operation 70 mA  
 Output signal: 4 ... 20 mA KIMESSA-CAN-BUS  
 Cable gland: 1x M16 (digital 2x M16)  
 Cable entry: bottom  
 Cable inlet: ø 7 ... 12 mm bottem  
 Certificate: CE  
 Display: no

**Electronic and Dimensions**



Dimensions: width 110 mm / Height 95 mm / depth 70 mm