



## Gas sensor KSEC 667

for detection of Hydrogen Cyanide HCN



### 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
- Swiss-Made

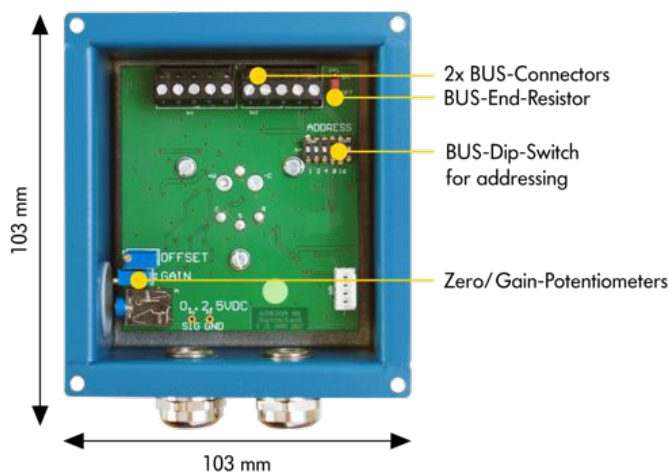
### Gas sensor KSEC 667

|              |                   |
|--------------|-------------------|
| Gas:         | Hydrogen Cyanide  |
| Gas formula: | HCN               |
| Warranty:    | 12 month warranty |
| Position:    | 30 cm from Floor  |

### Sensor specifications

|                                |                                       |
|--------------------------------|---------------------------------------|
| Measurement principle:         | Electrochemical                       |
| Measuring range:               | 0...100 ppm                           |
| Standard calibration:          | 0...10/30/100 ppm                     |
| Response time $t_{90}$ :       | < 20 sec                              |
| Operating temperature:         | -20 °C ... +50 °C                     |
| Start up after reconditioning: | approx. 1 hour                        |
| Pressure range:                | atmospheric $\pm$ 10%                 |
| Air humidity:                  | 15...90% R.H. non-condensing          |
| Position sensitivity:          | none                                  |
| Long term output drift:        |                                       |
| Life span at 20 °C:            | 2 years, depending on the application |

### Electronic and Dimensions



### Housing

|                     |                               |
|---------------------|-------------------------------|
| Housing protection: | IP 65                         |
| Material:           | rust-proof and acid-resistant |
| Weight:             | 600 g                         |

### Specifications electronic

|                        |                                   |
|------------------------|-----------------------------------|
| Wiring digital:        | 4x 1,0 mm <sup>2</sup> , shielded |
| Supply:                | 16.5...30 VDC                     |
| Power consumption:     | max. 20 mA                        |
| Output signal digital: | KIMESSA CANBUS                    |
| Switching output:      | no                                |

### Specifications construction

|              |                      |
|--------------|----------------------|
| Cable gland: | 2x M16               |
| Cable entry: | bottom               |
| Tests:       | CE                   |
| Display:     | no                   |
| Position:    | position independent |

### Inspection (Maintenance)

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

