KIMESSA
SWISS

Standalone MONOline 714
for monitoring of Silane SiH4

Features

- The MONOline monitor displays the detector gas concentration with name and alarm status
- The MONOline is factory calibrated and ready to use. Other measuring ranges are available on request
- 24VDC or 230VAC power supply
- Internal sounder alarm
- Clearly visible flashing LED beacon alarm
- Alarm status clearly visible on the OLED-Display
- 3 internal relays available to activateventilation fans or alarming units
- Different relay functions programmable (Reset manual or automatic, NO/NC) and alarm thresholds by magnet penDifferent relay functions programmable (Reset manual or automatic, NO/NC) and alarm thresholds by magnet pen
- Electrochemical sensor technology with a simple concept to replace the sensor in the field

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- integrated MODBUS RTU interface
- Connector for remote RESET
- Robust IP 65 enclosure
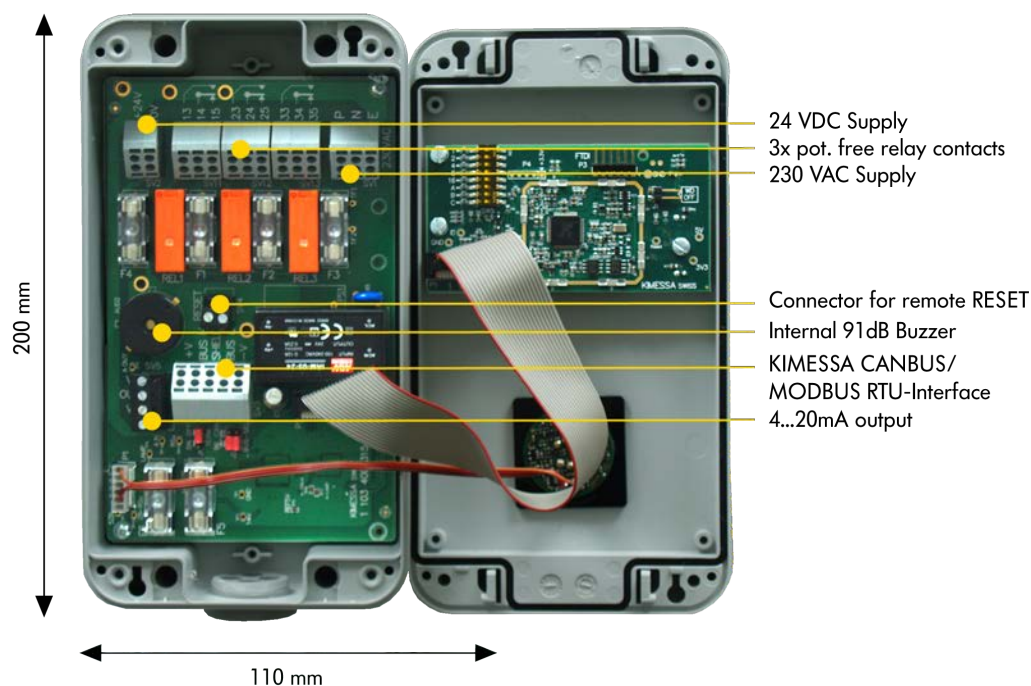- Product has been developed by KIMESSA and is manufactured in Switzerland

Standalone MONOline 714

Gas:	Silane
Gas formula:	SiH4
Alarm thresholds:	2 free programmable per gas detector
Warranty:	12 month warranty
Position:	30 cm from Floor

Sensor specifications

Measurement principle:	Electrochemical
Measuring range:	0...50 ppm
Standard calibration:	0...20/50 ppm
Response time t 90:	< 60 sec
Operating temperature:	-20 °C ... +45 °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:	2 years, depending on the application

Housing

Housing protection:	IP 65
Material:	Thermoplast
Weight:	820 g

Specifications electronic

Wiring analogue:	3x 0,75 mm2, shielded
Wiring digital:	4x 1,0 mm2, shielded
Supply:	230 VAC/ 24 VDC
Power consumption:	max. 200 mA
Output signal analogue:	4...20 mA / 0...20 mA
Output signal digital:	KIMESSA CANBUS / Modbus RTU
Switching output:	3 potential free (2A)

Specifications construction

Cable gland:	cable bushing plate
Cable entry:	bottom
Tests:	CE
Display:	OLED-Display
Position:	depending on display
RESET-Connector:	yes
Volume:	92 dB
Optical alarm:	incorporated LED flash light

Inspection (Maintenance)

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

Electronic and Dimensions

200 mm
110 mm

24 VDC Supply
3x pot. free relay contacts
230 VAC Supply

Connector for remote RESET
Internal 91dB Buzzer
KIMESSA CANBUS/ MODBUS RTU-Interface
4...20mA output