

## Standalone MONOline 684

for monitoring of Nitrogen Dioxide NO<sub>2</sub>



### 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 beacon alarm (optional) Clearly visible flashing beacon alarm (optional)
- Alarm status clearly visible on the OLED-Display
- 3 internal relays available to activate ventilation fans or alarming units
- Different relay functions programmable (Reset manual or automatic, NO/NC) and alarm thresholds by magnet pen Different relay functions programmable (Reset manual or automatic, NO/NC) and alarm thresholds by magnet pen
- Electrochemical sensor technology with simple concept for replacing a sensor Electrochemical sensor technology with simple concept for replacing a sensor
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- integrated MODBUS RTU interface
- Connector for remote RESET
- Robust IP 54 enclosure
- Product has been developed by KIMESSA and is manufactured in Switzerland

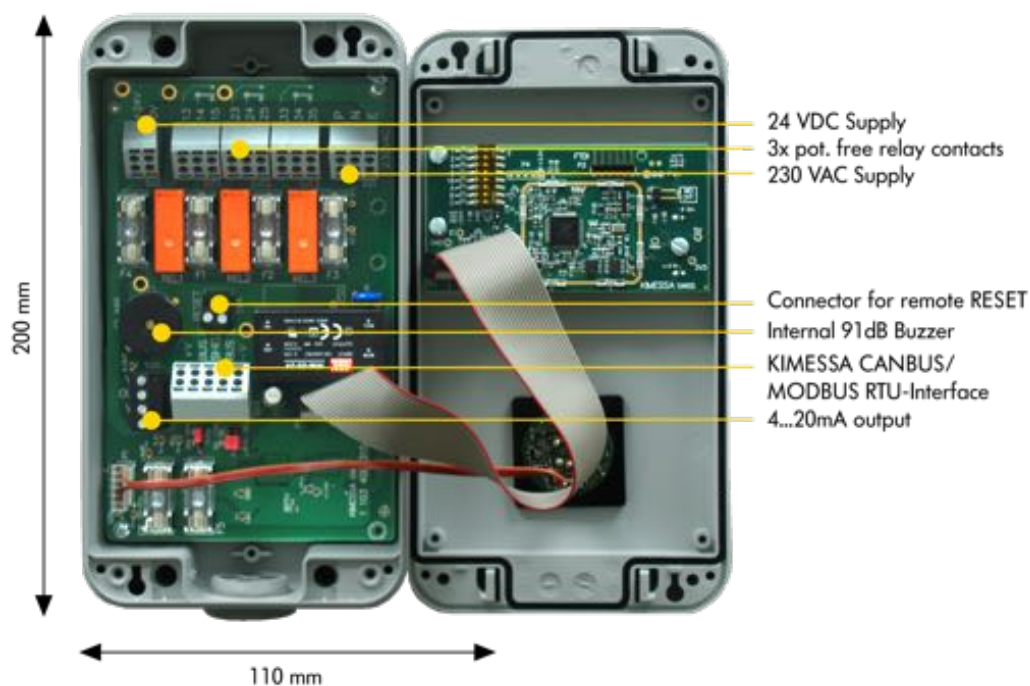
## Standalone MONOline 684

Gas:	Nitrogen Dioxide
Gas formula:	NO <sub>2</sub>
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...100 ppm
Standard calibration:	0...10/20/50/100 ppm
Response time $t_{90}$ :	< 25 sec
Operating temperature:	-20 °C ... +50 °C
Start up after reconditioning:	approx. 1 hour
Pressure range:	0'9 – 1'1 atm
Air humidity:	15...90% R.H. non-condensing
Position sensitivity:	none
Long term output drift:	< 12% signal loss/year
Life span at 20 °C:	4 years, depending on the application

## Electronic and Dimensions



## Housing

Housing protection:	IP 54
Material:	Thermoplast
Weight:	820 g

## Specifications electronic

Wiring analogue:	3x 0,75 mm <sup>2</sup> , shielded
Wiring digital:	4x 1,0 mm <sup>2</sup> , 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

## Inspection (Maintenance)

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