

# Standalone MONOline 1530

for monitoring of R410a



### 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 simple concept for replacing a sensorElectrochemical sensor technology with simple concept for replacing a sensor

- 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
- 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 1530

Gas:	Freon R134a/R404a/R407c, etc
Gas formula:	R134a/R404a/R407c, etc
Alarm thresholds:	2 free programmable per gas detector
Warranty:	12 month warranty
Position:	30 cm from Floor

## **Sensor specifications**

Measurement principle:	Infrared
Measuring range:	010'000 ppm
Standard calibration:	02500/5000/10'000 ppm
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:	1590 % R.H. non-condensing
Position sensitivity: Long term output drift:	none < 2% signal loss/month
Life span at 20 °C:	6-8 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:	420 mA / 020 mA
Output signal digital:	KIMESSA CANBUS / Modbus RTU
Switching output:	3 potential free (2A)

#### **Specifications construction**

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

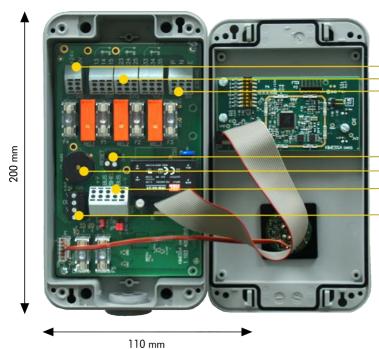
#### **Inspection (Maintenance)**

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



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

# **Electronic and Dimensions**



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