

Standalone MONOline 1530

for monitoring of R143a



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

www.kimessa.com MONOline 1530 – 16/01/2017



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: 0...10'000 ppm

Standard calibration: 0...2500/5000/10'000 ppm

Response time t 90: <90 sec

Operating temperature: $-30 \, ^{\circ}\text{C} \dots +50 \, ^{\circ}\text{C}$ Start up after approx. 1 hour

reconditioning:

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: 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: 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: unten
Tests: CE

Display: OLED-Display

Position: depending on display

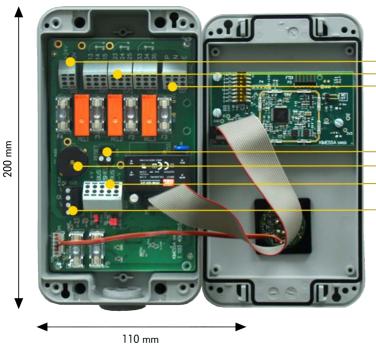
RESET-Connector: yes
Volume: 92 dB

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



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