

## Standalone MONOline 1530

for monitoring of R134a



### 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

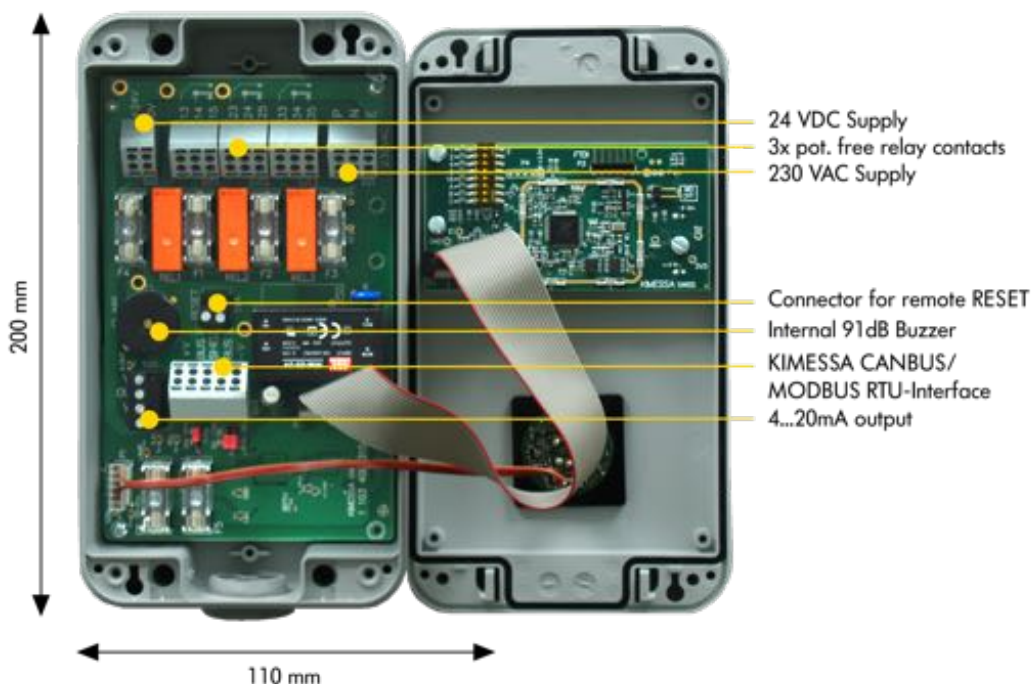
## Standalone MONOline 1530

|                   |                                      |
|-------------------|--------------------------------------|
| 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 °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:        | < 2% signal loss/month                  |
| Life span at 20 °C:            | 6-8 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:     | unten                |
| 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.