



## Technical data sheet

### Control Unit

|                                      |   |
|--------------------------------------|---|
| voltage supply:                      | 85 - 250 V, 50 - 60 Hz  |
| operating voltage:                   | 24 V / max 2A   |
| power consumption:                   | max. 48 VA  |
| dimension:                           | 300 x 400 mm x 130mm (without signal, without mounting eye)   |
| Relay output (main alarm):           | isolated, normally open 30V/2A AC/DC,<br>adjustable switching polarity  |
| relaisausgang (Voralarm):            | isolated, normally open 30V/2A AC/DC,<br>adjustable switching polarity  |
| alarm output signal:                 | 15 V DC/50 mA, activ  |
| alarm output horn:                   | 15 V DC/15 mA, activ  |
| analog output :                      | 4 ... 20 mA accord. 0 ... 0,1 mg/m <sup>3</sup>   |
| digital output:                      | RS 485 with 38400 baud, optional USB-interface  |
| display- and evaluation electronics: | LED, 4/5 digit, 2 line, integrated in field housing   |
| display range:                       | 0,001 .... 20 mg/m <sup>3</sup> total residual oil content  |
| EMV noise immunity:                  | EN 61000-6-3  |
| EMV noise emission:                  | EN 61000-6-3  |
| guarantee:                           | 24 month  |
| scope of supply:                     | measuring device (steel plate, powder coated) in wall housing incl.<br>dokumentation, signal and horn, test certificate |

### Measuring Probe

|                                 |   |
|---------------------------------|---|
| calibrated measuring range:     | 0,01... 20 mg/m <sup>3</sup> , 0..2 ppm hydrocarbon concentration<br>based on hexane C <sub>6</sub> H <sub>12</sub>   |
| application range dewpoint:     | < 7 °C dewpoint, after refrigerant dryer  |
| detected materials:             | alkane, alkanol and other oil components,<br>VOC (volotile organic compound),<br>other oxidisable materials like NO <sub>x</sub> , water vapour                           |
| measuring medium:               | clean, filtered compressed air (filtered and dried, ISO 8573-klassen 2-4-2)<br>free of aggressive, corrosive, poisonous, inflammable, oxidising components<br>and silanes |
| measuring accuracy              | 5 ppb at zero point, based on hexane C <sub>6</sub> H <sub>12</sub>   |
| pressure application range:     | 0 ... 10 bar  |
| temperature application range:  | -40 ... 60 °C   |
| rinse air consumption:          | 50 ml / min at 10 bar   |
| measurement- / output quantity: | mg/m <sup>3</sup> according to standard 1 bar 20°C  |
| sensor element:                 | metal - oxide (MOS)-sensor integrated in field housing  |
| probe connection:               | G 1/2" AG   |