**INSPECTION PROTOCOL**

**Sensors:**

**Serial Number: (e.g.: 045 11 0001)**

**EX-TEC® Combi**

| $CH_4$ | $CO_2$ | $O_2$ | $H_2S$ | CO |
|---|---|---|---|---|
| | | | | |

SEWERIN

25.04.2005

| **1.0** | **Device status** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.1 | - status correct (e. g.: Y / N) | | | | | | | | | | |
| 1.2 | - fine dust filter correct (e. g.: Y / N) | | | | | | | | | | |
| 1.3 | - remaining operating hours (e. g.: 5 h) | | | | | | | | | | |

| **2.0** | **Pump test** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.1 | - low pressure > 150 mbar | | | | | | | | | | |
| 2.2 | - volume flow > 30 l/h | | | | | | | | | | |

| **3.0** | **$CH_4$-range** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.1 | zero point (fresh air)<br>- display -0.15 – +0.15 vol.% or<br>- display -3 – +3 %LEL | | | | | | | | | | |
| 3.2 | test gas (2.2 vol.% $CH_4$ / 50 %LEL)<br>- display 2.0 – 2.4 vol.% or<br>- display 45 – 55 %LEL | | | | | | | | | | |
| 3.3 | test gas (100 vol.% $CH_4$)<br>- display 98 – 102 vol.% | | | | | | | | | | |

| **4.0** | **$CO_2$-range** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4.1 | zero point (fresh air)<br>- display +0.04 – +0.10 vol.% | | | | | | | | | | |
| 4.2 | test gas (2.0 vol.% $CO_2$)<br>- display 1.8 – 2.2 vol.% | | | | | | | | | | |

| **5.0** | **$O_2$-range** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.1 | zero point (test gas 100 vol.% CH4)<br>- display -0.5 – +0.5 vol.% | | | | | | | | | | |
| 5.2 | test gas (fresh air)<br>- display 20.4 – 21.4 vol.% | | | | | | | | | | |

| **6.0** | **$H_2S$-range** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.1 | zero point (fresh air)<br>- display -3 – +3 ppm | | | | | | | | | | |
| 6.2 | test gas (40 ppm $H_2S$)<br>- display 37– 43 ppm | | | | | | | | | | |

| **7.0** | **CO-range** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.1 | zero point (fresh air)<br>- display -3 – +3 ppm | | | | | | | | | | |
| 7.2 | test gas (40 ppm CO)<br>- display 37 – 43 ppm | | | | | | | | | | |

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| **8.0** | **Alarm function** | | | | | | | | | | |
| 8.1 | optical alarm (e.g.: Y / N) | | | | | | | | | | |
| 8.2 | audible alarm (e.g.: Y / N) | | | | | | | | | | |

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| **9.0** | **Observations**<br>- housing broken<br>- adjustment, repair<br>- factory inspection<br>- or the like | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| **10.0** | **Test** | | | | | | | | | | |
| | - day | | | | | | | | | | |
| | - month | | | | | | | | | | |
| | - year | | | | | | | | | | |
| | - signature | | | | | | | | | | |