# Technical Data - *Measured Parameters*

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|---|---|---|
| **Flue Gas Temperature measurement** ***(including separate differential-temperature measurement)*** | Range | 0 °C ... + 1,000 °C *or* 32 °F … +1,832 °F |
| | Resolution | 0.1 °C |
| | Accuracy | ±1°C + 1 digit (up 300 °C)<br>±1 % RDG (above 300 °C) |
| | Thermocouple | K-Type (NiCr-Ni) |
| **Ambient Temperature** ***(including separate differential-temperature measurement)*** | Range | -20 °C ... + 200 °C *or* -4 °F … +392 °F |
| | Resolution | 0.1 °C |
| | Accuracy | ±3 °C + 1 digit (-20.0 up to 0.0 °C)<br>±1 °C + 1 digit (+0.1 up to +200.0 °C) |
| | Thermocouple | K-Type (NiCr-Ni) |
| **Draft measurement / Differential pressure** | Range | ± 70 hPa (Draft) / ± 150 hPa (diff. pressure) |
| | Accuracy | ± 0.02 hPa (up ± 2.00 hPa)<br>± 1 % RDG (above ± 50 hPa) |
| | Resolution | 0.01 hPa (= 1 Pa) |
| **Barometric Pressure** | Range | 750 hPa … 1100 hPa |
| **Oxygen (O2) measurement** *(4OxEcoLP)* | Range | 0 ... 21 vol.-% |
| | Resolution | 0.1 vol.-% |
| | Accuracy | ± 0.2 vol.-% RDG |
| **Carbon Dioxide (CO2) measurement *(calculated)*** | Display | 0 ... CO2max |
| | Resolution | 0.1 vol.-% |
| | Accuracy | ± 0.2 vol.-% |
| **Carbon Monoxide (CO) measurement *(H2-compensated)*** | Range | 0 ... 4,000 ppm (nominal) |
| | Resolution | 1 ppm |
| | Accuracy | ± 5 ppm (up 50 ppm)<br>± 5 % RDG (above 50 ppm) |
| **Options:** | | |
| **Nitrogen Oxide (NO) measurement** | Range | 0 ... 5,000 ppm |
| | Resolution | 1 ppm |
| | Accuracy | ± 5 ppm (up 50 ppm)<br>± 5 % RDG (above 50 ppm) |
| **Nitrogen Dioxide (NO2) measurement** | Range | 0 ... 1,000 ppm |
| | Resolution | 1 ppm |
| | Accuracy | ± 10 ppm (up 50ppm) / ± 5 ppm[1)] (up 100 ppm)<br>± 10 % RDG (above 50 ppm) / ±5 % RDG[1)] (above 100 ppm) |
| **Sulfur Dioxide (SO2) measurement** | Range | 0 ... 5,000 ppm |
| | Resolution | 1 ppm |
| | Accuracy | ± 10 ppm (up 200 ppm)<br>± 5% RDG (above 200 ppm) |
| **Carbon Monoxide (CO) high range measurement** ***(not H2-compensated)*** | Range | 0 ... 4.0 vol.-% (= 40,000 ppm) |
| | Resolution | 0.01 vol.-% |
| | Accuracy | ± 5% RDG |

*Abbreviations: RDG = deviation of reading value, ppm = particle per million, vol.-% = percent of volume* *Subject to technical changes!*

*1)* with extended flue gas treatment (e.g. MaxiSystem)

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