

# Overview of technical data

| Flue gas analyser model  |   |            |                                      | D                      |
|--|---|------------|--------------------------------------|------------------------|
| Gas Components   |   | Resolution | Accuracy                             | max. 6                 |
| O <sub>2</sub>   | O <sub>2</sub> (0 - 21 vol.%) - electrochemical               | 0,01 vol.% | ± 0,3 vol.%                          | ✓                      |
| CO   | CO (H <sub>2</sub> -komp. 0 -10.000 ppm) - electrochemical    | 1 ppm      | ± 20 ppm or 5 % of reading**         | ✓                      |
|  | CO (n. H <sub>2</sub> -komp. 0 -20.000 ppm) - electrochemical | 1 ppm      | ± 40 ppm or 10 % of reading**        | •                      |
|  | CO% (0 -63.000 ppm) - electrochemical                         | 5 ppm      | ± 100 ppm or 10 % of reading**       | •                      |
| CO <sub>2</sub>  | CO <sub>2</sub> (0 - 20 vol.%) - NDIR* sensor                 | 0,01 vol.% | ± 0,5 vol.% or 5 % of reading**      | •                      |
|  | CO <sub>2</sub> (0 - 100 vol.%) - NDIR* sensor                | 0,01 vol.% | up to ± 5 % of measur range endvalue | •                      |
| NO <sub>x</sub>  | NO (0 - 5.000 ppm) - electrochemical                          | 1 ppm      | ± 5 ppm or 5 % of reading**          | •                      |
|  | NO <sub>Low</sub> (0 - 300 ppm) - electrochemical             | 0,1 ppm    | ± 2 ppm or 5 % of reading**          | •                      |
|  | NO <sub>2</sub> (0 - 1.000 ppm) - electrochemical             | 1 ppm      | ± 5 ppm or 5 % of reading**          | •                      |
|  | NO <sub>2Low</sub> (0 - 100 ppm) - electrochemical            | 0,1 ppm    | ± 5 ppm or 5 % of reading**          | •                      |
|  | NO <sub>x</sub> - measuring - electrochemical                 |            |                                      | via NO/NO <sub>2</sub> |
| SO <sub>2</sub>  | SO <sub>2</sub> (0 - 5.000 ppm) - electrochemical             | 1 ppm      | ± 10 ppm or 5 % of reading**         | •                      |
|  | SO <sub>2</sub> (0 - 5.000 ppm) - electrochemical Low CO      | 1 ppm      | ± 10 ppm or 5 % of reading**         | •                      |
| H <sub>2</sub>   | H <sub>2</sub> (0 - 2.000 ppm) - electrochemical              | 1 ppm      | ± 10 ppm or 5 % of reading**         | •                      |
|  | H <sub>2</sub> (0 - 20.000 ppm) - electrochemical             | 1 ppm      | ± 100 ppm or 5 % of reading**        | •                      |
| H <sub>2</sub> S   | H <sub>2</sub> S (0 - 1.000 ppm) - electrochemical            | 1 ppm      | ± 10 ppm or 5 % of reading**         | •                      |
|  | H <sub>2</sub> S (0 - 5.000 ppm) - electrochemical            | 1 ppm      | ± 50 ppm or 5 % of reading**         | •                      |
| C <sub>x</sub> H <sub>y</sub>  | CH <sub>4</sub> (0 - 5 vol.%) - NDIR* sensor                  | 0,01 vol.% | ± 0,2 vol.% or 5 % of reading**      | •                      |
|  | CH <sub>4</sub> (0 - 100 vol.%) - NDIR* sensor                | 0,1 vol.%  | up to ± 5 % measur range endvalue    | •                      |
| Additional Measurements   Display Options                                |   | Resolution | Accuracy                             |                        |
| T-Gas  | 0 - 500 °C  | 1 °C       | ± 2 °C or 1,5 % of the reading**     | ✓                      |
|  | 0 - 1.100 °C  | 1 °C       | ± 2 °C or 1,5 % of the reading**     | •                      |
| T-Air  | 0 - 99 °C   | 1 °C       | ± 1 °C                               | ✓                      |
| Pressure   ΔP  | ± 100 hPa   | 0,01 hPa   | ± 0,5 hPa or 1 % of the reading**    | ✓                      |
| Calculated values  |   |            |                                      |                        |
| CO <sub>2</sub> - 0 - CO <sub>2</sub> max                                |   |            |                                      | ✓                      |
| Combustion efficiency (ETA)  |   |            |                                      | ✓                      |
| Excess air (Lambda) - > 1  |   |            |                                      | ✓                      |
| Losses qA - 0 - 100 %  |   |            |                                      | ✓                      |
| Dew point - x °C   |   |            |                                      | ✓                      |
| mg/m <sup>3</sup> - x mg/m <sup>3</sup>                                  |   |            |                                      | ✓                      |
| mg/KWh - x mg/KWh  |   |            |                                      | ✓                      |
| O <sub>2</sub> - reference- x % O <sub>2</sub>                           |   |            |                                      | ✓                      |
| Gas processing   |   |            |                                      |                        |
| Condensation trap with moisture-absorbing pad                            |   |            |                                      | •                      |
| Electronic condensation monitoring                                       |   |            |                                      | •                      |
| Electronic gas cooler  |   |            |                                      | •                      |
| Operation safety   |   |            |                                      |                        |
| Temperature trend indication for core stream search                      |   |            |                                      | ✓                      |
| CO switch-off  |   |            |                                      | ✓                      |
| Fresh air purge by CO exceeding  |   |            |                                      | ✓                      |
| Fresh air purge after operation  |   |            |                                      | ✓                      |
| Sampling system  |   |            |                                      |                        |
| Unheated probe, type SU  |   |            |                                      | ✓                      |
| Gas transportation (tubing)  |   |            |                                      |                        |
| Multi-chamber silicone tubing  |   |            |                                      | ✓                      |
| NO <sub>x</sub> / SO <sub>x</sub> special tubing with PTFE inner coating |   |            |                                      | •                      |
| Printer  |   |            |                                      |                        |
| Infrared interface for external printer                                  |   |            |                                      | ✓                      |
| Thermal quick-printer, integral  |   |            |                                      | •                      |
| Data processing  |   |            |                                      |                        |
| Serial interface for data transfer                                       |   |            |                                      | ✓                      |
| USB interface for data transfer  |   |            |                                      | ✓                      |
| Wireless data interface (e.g. for connection to a smartphone or tablet)  |   |            |                                      | ✓                      |
| Data recording on multimedia card  |   |            |                                      | •                      |
| Reception possibility for diagnosis data from ecom-AK                    |   |            |                                      | ✓                      |
| Remote control   |   |            |                                      |                        |
| via backlit keypad   |   |            |                                      | ✓                      |
| via smartphone/tablet (free iOS + Android app)                           |   |            |                                      | ✓                      |
| Transport  |   |            |                                      |                        |
| Carrying bag   |   |            |                                      | •                      |
| Hardtop transport case   |   |            |                                      | •                      |