

# Overview of technical data

√ Standard • Option x not possible

Flue gas analyser model			EN3/-R	EN3-F	
<b>Gas Components</b>		<b>Resolution</b>	<b>Accuracy</b>	max. 6	max. 6
<b>O<sub>2</sub></b>	O <sub>2</sub> (0 - 21 vol.%) - electrochemical	0,01 vol.%	± 0,3 vol.%	√	√
<b>CO</b>	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**	•	•
<b>CO<sub>2</sub></b>	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	•	•
<b>NO<sub>x</sub></b>	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>	via NO/NO <sub>2</sub>
<b>SO<sub>2</sub></b>	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**	•	•
<b>H<sub>2</sub></b>	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**	•	•
<b>H<sub>2</sub>S</b>	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**	•	•
<b>C<sub>x</sub>H<sub>y</sub></b>	C <sub>x</sub> H <sub>y</sub> (0 - 4 vol.%) - catalytic	0,01 vol.%		•	•
	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	•	•
<b>Additional Measurements   Display Options</b>		<b>Resolution</b>	<b>Accuracy</b>		
<b>T-Gas</b>	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**	•	•
<b>T-Air</b>	0 - 99 °C	1 °C	± 1 °C	√	√
<b>Pressure   ΔP</b>	± 100 hPa	0,01 hPa	± 0,5 hPa or 1 % of the reading**	√	√
<b>Calculated values</b>					
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>				√	√
<b>Gas processing</b>					
Electronic condensation monitoring				√	√
Automatic condensation evacuation				•	√
Electronic gas cooler				•	√
<b>Operation safety</b>					
Temperature trend indication for core stream search				√	√
CO switch-off				√	√
Fresh air purge by CO exceeding				√	√
Fresh air purge after operation				√	√
Flow meter for pump performance control				√	√
<b>Sampling system</b>					
Unheated probe, type SCD				•	x
Unheated probe, type SU				x	•
Heated probe, type SB				•	•
<b>Gas transportation (tubing)</b>					
Multi-chamber silicone tubing				√	√
NO <sub>x</sub> / SO <sub>x</sub> special tubing with PTFE inner coating				•	•
<b>Printer</b>					
Thermal quick-printer, integral				√	√
<b>Data processing</b>					
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				√	√
<b>Remote control</b>					
via backlit keypad				√	√
via smartphone/tablet (free iOS + Android app)				√	√
<b>Transport</b>					
Aluminum-framed transport case				√	x
Under case				•	x
Hardtop transport case				x	√