

Overview of technical data

√ Standard • Option x not possible

Flue gas analyser model			EN3/-R	EN3-F		
Gas Components	Resolution	Accuracy	max. 4	max. 6		
O₂	O ₂ (0 - 21 vol.%) - electrochemical	0,01 vol.%	± 0,3 vol.%	√	√	
CO	CO (H ₂ -komp. 0 -10.000 ppm) - electrochemical	1 ppm	± 20 ppm or 5 % of reading**	√	√	
	CO (n. H ₂ -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**	•	•	
CO₂	CO ₂ (0 - 20 vol.%) - NDIR* sensor	0,01 vol.%	± 0,5 vol.% or 5 % of reading**	•	•	
	CO ₂ (0 - 100 vol.%) - NDIR* sensor	0,01 vol.%	up to ± 5 % of measur range endvalue	•	•	
NO_x	NO (0 - 5.000 ppm) - electrochemical	1 ppm	± 5 ppm or 5% of reading**	•	•	
	NO _{Low} (0 - 300 ppm) - electrochemical	0,1 ppm	± 2 ppm or 5 % of reading**	•	•	
	NO ₂ (0 - 1.000 ppm) - electrochemical	1 ppm	± 5 ppm or 5 % of reading**	•	•	
	NO _{2 Low} (0 - 100 ppm) - electrochemical	0,1 ppm	± 5 ppm or 5 % of reading**	•	•	
	NO _x - measuring - electrochemical			via NO/NO ₂	via NO/NO ₂	
SO₂	SO ₂ (0 - 5.000 ppm) - electrochemical	1 ppm	± 10 ppm or 5 % of reading**	•	•	
	SO ₂ (0 - 5.000 ppm) - electrochemical Low CO	1 ppm	± 10 ppm or 5 % of reading**	•	•	
H₂	H ₂ (0 - 2.000 ppm) - electrochemical	1 ppm	± 10 ppm or 5 % of reading**	•	•	
	H ₂ (0 - 20.000 ppm) - electrochemical	1 ppm	± 100 ppm or 5 % of reading**	•	•	
H₂S	H ₂ S (0 - 1.000 ppm) - electrochemical	1 ppm	± 10 ppm or 5 % of reading**	•	•	
	H ₂ S (0 - 5.000 ppm) - electrochemical	1 ppm	± 50 ppm or 5 % of reading**	•	•	
C_xH_y	C _x H _y (0 - 4 vol.%) - catalytic	0,01 vol.%		•	•	
	CH ₄ (0 - 5 vol.%) - NDIR* sensor	0,01 vol.%	± 0,2 vol.% or 5 % of reading**	•	•	
	CH ₄ (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 ₂ - 0 - CO ₂ max					√	√
Combustion efficiency (ETA)					√	√
Excess air (Lambda) - > 1					√	√
Losses qA - 0 - 100 %					√	√
Dew point - x °C					√	√
mg/m ³ - x mg/m ³					√	√
mg/KWh - x mg/KWh					√	√
O ₂ - reference- x % O ₂					√	√
Gas processing						
Electronic condensation monitoring					√	√
Automatic condensation evacuation					•	√
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					√	√
Flow meter for pump performance control					√	√
Sampling system						
Unheated probe, type SCD					•	x
Unheated probe, type SU					x	•
Heated probe, type SB					•	•
Gas transportation (tubing)						
Multi-chamber silicone tubing					√	√
NO _x / SO _x special tubing with PTFE inner coating					•	•
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						
Aluminum-framed transport case					√	x
Under case					•	x
Hardtop transport case					x	√