

Overview of technical data

Flue gas analyser model				D
Gas Components		Resolution	Accuracy	max. 6
O ₂	O ₂ (0 - 21 vol.%) - electrochemical	0,1 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**	•
CO ₂	CO ₂ (0 - 20 vol.%) - NDIR* sensor	0,1 vol.%	± 0,5 vol.% or 5 % of reading**	•
	CO ₂ (0 - 100 vol.%) - NDIR* sensor	0,1 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 _{2Low} (0 - 1.000 ppm) - electrochemical	0,1 ppm	± 5 ppm or 5 % of reading**	•
	NO _x - measuring - electrochemical			via NO/NO ₂
SO ₂	SO ₂ (0 - 5.000 ppm) - electrochemical	1 ppm	± 10 ppm or 5 % of reading**	•
H ₂	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**	•
H ₂ S	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 _x H _y	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				
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 _x / SO _x 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				•

* NDIR = non dispersive infrared technology
 ** the higher value prevails