

Overview of technical data

√ Standard • Option x Not possible					
Flue gas analyser model			J2KNpro	J2KNpro Industry	
Gas Components		Resolution	Accuracy	max. 6	max. 6 + NDIR*
O ₂	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**	•	•
	CO% (0 -63.000 ppm) - NDIR* bank	10 ppm	± 200 ppm or 3 % of reading**	x	•
CO ₂	CO ₂ (0 - 20 vol.%) - NDIR* sensor	0,01 vol.%	± 0,5 vol.% or 5 % of reading**	x	Optional: IR bank
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
SO ₂	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**	•	•
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**	•	x
C _x H _y	C _x H _y (0 - 4 vol.%) - catalytic	0,01 vol.%		•	•
	CH ₄ (0 - 100 vol.%) - NDIR* sensor	0,1 vol.%	up to ± 5 % measur range endvalue	•	•
	C _x H _y (CH ₄ 0 - 3 vol.%) - NDIR* bank	0,001 vol.%	± 0,005 vol.% or 3 % of reading**	x	•
	C _x H _y (C ₂ H ₆ 0 - 2.000 ppm) - NDIR* bank	1 ppm	± 4 ppm or 3 % of reading**	x	•
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/m³ - x mg/m³				√	√
mg/KWh - x mg/KWh				√	√
O ₂ - reference- x % O ₂				√	√

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

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Flue gas analyser model			J2KNpro Industry
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			
Heated probe, type SB			√
Unheated probe, type SU			•
Heated probe with integrated PTFE filter and thermocouple (for heated sampling system)			x
Gas transportation (tubing hose)			
Multi-chamber silicone tubing			√
NO _x / SO _x special tubing with PTFE inner coating			•
Heated tubing (in combination with heated sampling system)			x
Printer			
Thermal quick-printer, integral			√
Dot matrix printer			•
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 radio remote			√
via smartphone/tablet (free iOS + Android app)			√
Transport			
Aluminum-framed transport case			√
Under case			•

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