



Technical data Sensors		
Oxygen concentration (O <sub>2</sub> ) in flue gas	Display	Volume % referenced to dry flue gas
	Measurement principle	Electrochemical sensor
	Range	0...21 Vol. %
	Accuracy	±0,3 Vol. %
Carbon monoxide (CO 100.000 ppm) in flue gas	Display	Volume ppm referenced to dry flue gas
	Measurement principle	Electrochemical sensor
	Range	0... 100.000 Vol. ppm; resolution 1 Vol. ppm
	Accuracy	±100 Vol. ppm (< 1.000 Vol. ppm), otherwise 10 % of reading (with H <sub>2</sub> < 5 % of reading)
Carbon monoxide (CO 10.000 ppm H <sub>2</sub> -compensated) in flue gas	Display	Volume ppm referenced to dry flue gas
	Measurement principle	Electrochemical sensor, H <sub>2</sub> -compensated
	Range	0...10.000 Vol. ppm; resolution 1 Vol. ppm
	Accuracy	±20 Vol. ppm (< 400 Vol. ppm), otherwise 5 % of reading
Nitric oxide concentration (NO) in flue gas	Display	Volume ppm referenced to dry flue gas
	Measurement principle	Electrochemical sensor
	Range	0...3.000 Vol. ppm (continuously up to 1.000); resolution 0,1 Vol. ppm (< 1.000 Vol. ppm), otherwise 1 Vol. ppm
	Accuracy	±5 Vol. ppm (< 100 Vol. ppm), otherwise 5 % of reading
Nitrogen dioxide concentration (NO <sub>2</sub> ) in flue gas	Display	Volume ppm referenced to dry flue gas
	Measurement principle	Electrochemical sensor
	Range	0...1.000 Vol. ppm (continuously up to 200 Vol. ppm); resolution 0,1 Vol. ppm
	Accuracy	±5 Vol. ppm (< 100 ppm), otherwise 5 % of reading
Sulfur dioxide concentration (SO <sub>2</sub> ) in flue gas	Display	Volume ppm referenced to dry flue gas
	Measurement principle	Electrochemical sensor
	Range	0...5.000 Vol. ppm; resolution 0,1 Vol. ppm (< 1.000 Vol. ppm), otherwise 1 Vol. ppm
	Accuracy	±10 Vol. ppm (< 200 Vol. ppm), otherwise 5 % of reading
CO <sub>2</sub> NDIR	Display	Carbon dioxide concentration
	Measurement principle	NDIR
	Range	0...40 Vol. %
	Accuracy	0...6 Vol. %: ±0,3 Vol. % 6...40 Vol. %: ±5 % of reading
H <sub>2</sub> S	Display	Volume ppm referenced to dry flue gas
	Measurement principle	Electrochemical sensor
	Range	0...350 ppm
	Accuracy	0...40 ppm: ±2 ppm 40...350 ppm: ±5 % of reading
Differential pressure (P <sub>D</sub> )	Display	Pascal
	Measurement principle	Semi-conductor diaphragm
	Range	0...±110 hPa; resolution 0,1 Pa (< 1.000 Pa), otherwise 1 Pa
	Accuracy	0,3 Pa (< 10 Pa), otherwise 3 % of reading
Flue gas temperature (T <sub>3</sub> )	Display	°C
	Measurement principle	Thermocouple (NiCr-Ni)
	Range	-20...800 °C; resolution 0,1 °C
	Accuracy	0...133 °C: ±2 °C; 133...800 °C: ±1,5 % of reading
Combustion air temperature (T <sub>A</sub> )	Display	°C / °F
	Measurement principle	Thermocouple (NiCr-Ni)
	Range	-20...100 °C; resolution 0,1 °C
	Accuracy	±1 °C
	Available lengths	130 / 180 / 295 / 500 / 750 / 1.000 mm
Combustion air temperature (T <sub>3</sub> ) High temperature probe	Display	°C / °F
	Measurement principle	Thermocouple Type K (NiCr-Ni)
	Range	-20...1.200 °C
	Accuracy	-20...133 °C: ±2 °C; 133...1.200 °C: ±1,5 % of reading
	Available lengths	1 m; extendable to 2 m

# Wöhler A 550 INDUSTRIAL Flue Gas Analyzer



## Technical data

Power supply	Lithium-Ion, rechargeable battery 3,7 V, 6.700 mAh, charges via USB
Battery operating time	Approx. 7 h (depends on operating status and display illumination)
Storage temperature	-20...+50 °C
Operating temperature	5...40 °C to maintain stated accuracy
Weight	1.250 g
Dimensions	220 x 160 x 55 mm (without probe)
Length of cable-hose	3 m

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